

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"6312336".pn. or "09244198"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 09:02
L2	0	I1 and (((disabl\$3 adj3 code) same (payment adj3 code) same (payment adj3 rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 09:04
L3	0	I1 and (((disabl\$3 adj3 code) same (payment adj3 code))) and (payment adj3 rate))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 09:05
L4	0	I1 and (((disabl\$3 adj3 code) same (payment adj3 rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 09:07
L5	530	705/52.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 09:07
L6	0	I5 and (((disabl\$3 adj3 code) same (payment adj3 rate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/03 09:07

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-		IEW??? ?
S7	22610	S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-		K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
S8	8788	S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-		OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9	341	S7:S8(7N) (FEE OR FEES OR CHARG??? OR PAYMENT? OR
REMUNERAT?		OR COST??? OR PRICE? OR PRICING? OR DEBT? OR LICENS? OR
DIST-		RIBUT?()RIGHT? ?)
S10	15713	S2(100N)S5
S11	132	S10 AND S9
S12	10	S6(50N)S2(50N)S5(50N)S9
? s s12 not (ad>1999 or ad=2000:2006)		
>>>File 348 processing for AD=1999 : AD=		
>>> started at AD=000000 stopped at AD=040415		
>>>File 348 processing for AD=2000 : AD=2006		
>>> started at AD=00 stopped at AD=050413		
Processing		
>>>File 349 processing for AD=1999 : AD=		
>>> started at AD=19990101 stopped at AD=20040623		
>>>File 349 processing for AD=2000 : AD=2006		
>>> started at AD=20000101 stopped at AD=20050623		

Processing

10 S12
1633051 AD>1999
1499807 AD=2000 : AD=2006
S13 3 S12 NOT (AD>1999 OR AD=2000:2006)
? t 13/3,k/all

13/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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02059858

Systems and methods for secure transaction management and electronic rights

protection
System und Verfahren für sichere Transaktionsverwaltung und elektronischen
Rechtsschutz
Systemes et procedes de gestion de transactions securisees et de protection
des droits electroniques

PATENT ASSIGNEE:

Intertrust Technologies Corporation, (7330020), 955 Stewart Drive,
Sunnyvale, CA 94085-3913, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, MD 20705, (US)
Shear, Victor H., 5203 Battery Lane, Bethesda, MD 20814, (US)
Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, CA 94530, (US)
Van Wie, David M., 1250 Lakeside Drive, Sunnyvale, CA 94086, (US)

LEGAL REPRESENTATIVE:

Garner, Jonathan Charles Stapleton et al (9222071), FJ Cleveland 40-43

Chancery Lane, London WC2A 1JQ, (GB)
PATENT (CC, No, Kind, Date): EP 1662418 A2 060531 (Basic)
APPLICATION (CC, No, Date): EP 2006075503 960213;
PRIORITY (CC, No, Date): US 388107 950213
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;

NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; SI
RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)
INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):
IPC + Level Value Position Status Version Action Source Office:
G06F-0021/00 A I F B 20060101 20060407 H EP
ABSTRACT WORD COUNT: 165

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200622	302
SPEC A	(English)	200622	193789
Total word count - document A			194091
Total word count - document B			0

Total word count - documents A + B 194091

...SPECIFICATION system design and implementation.

The second approach would involve taking an existing set of API (**Application Programmer** Interface) functions, and incorporating references in the operating system code to VDE function calls.
This...

...into the new version or instance of an operating system may be accomplished with lower **cost** (by making use of the existing **code** embodied in an API, and also using the design implications of the API functional approach...

...appliance operating system, it would be possible to provide certain VDE functionality available as an **application** running on a conventional operating system.

ROS Software Architecture
Figure 10 is a block diagram...

13/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS.
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02018194

Secure transaction management
Gesicherte Transaktionsverwaltung
Gestion de transactions securisees
PATENT ASSIGNEE:

Intertrust Technologies Corp., (2434323), 955 Stewart Drive,
Sunnyvale,

CA 94085, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, MD 20705, (US)
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Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, CA 94530, (US)
Van Wie, David M., 51430 Willamette Street, 6 Eugene, OR 97401, (US)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis (28273), BERESFORD & Co. 16 High
Holborn,

London WC1V 6BX, (GB)

PATENT (CC, No, Kind, Date): EP 1621960 A2 060201 (Basic)

APPLICATION (CC, No, Date): EP 2005076129 970829;

PRIORITY (CC, No, Date): US 706206 960830

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU;

MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 922248 (EP 97939670)

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0001/00 A I F B 20060101 20051208 H EP

ABSTRACT WORD COUNT: 51

NOTE:

Figure number on first page: 70

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200605	249
SPEC A	(English)	200605	180527
Total word count - document A			180776
Total word count - document B			0
Total word count - documents A + B			180776

...SPECIFICATION not lose its contents when power is turned off).

High-speed RAM 534a stores active **code** to be executed and
associated

data structures.

NVRAM 534b preferably contains certain keys and summary values that
are
preloaded as...

...generated private keys) needs to be loaded into or generated
internally

by SPU 500 from **time** to **time** but, once loaded or generated
internally, should never leave the SPU. In this preferred
embodiment...

13/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01888484

**Systems and methods for secure transaction management and electronic
rights**

protection

**Systeme und Verfahren zur gesicherten Transaktionsverwaltung
und**

elektronischem Rechtsschutz

**Systemes et procedes de gestion de transactions securisees et de
protection**

de droits electroniques

PATENT ASSIGNEE:

ELECTRONIC PUBLISHING RESOURCES, INC., (976840), 460 Oakmead Parkway,
Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, Maryland 20705, (US)

Shear, Victor H., 5203 Battery Lane, Bethesda, Maryland 20814, (US)

Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, California 94530,
(US)

Van Wie, David M., 1780 East 25th Avenue, Eugene, OR 97403, (US)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane,
London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1526472 A2 050427 (Basic)

APPLICATION (CC, No, Date): EP 2004078254 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;

MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS (V7): G06F-017/60; G06F-009/46

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 75

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200517	355
SPEC A	(English)	200517	167222
Total word count - document A			167577
Total word count - document B			0
Total word count - documents A + B			167577

...SPECIFICATION appliance operating system, it would be possible to provide certain VDE functionality available as an **application** running on a conventional operating system.

ROS **Software** Architecture

Figure 10 is a **block** diagram of one example of a **software** structure/architecture for Rights Operating System ("ROS") 602 provided by the preferred embodiment. In this...

...a file system 687. ROS 602 in this example also includes one or more Host **Event** Processing Environments ("HPEs") 655 and/or one or more Secure Event Processing Environments ("SPEs") 503...
? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE? OR - APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR RESTRICT? - OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL? OR E- NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR AP- PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL- EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION? OR E- VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR MINUTE? ? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK??? OR CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR

IDENTI-
 FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
 DE-
 SIR??? OR EXPIR? OR DETERMIN?)
 S6 90554 MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
 WEBCAST?
 OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
 STREA-
 M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
 PAY()PER()V-
 IEW??? ?
 S7 22610 S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
 LIN-
 K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
 S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
 CORRESP-
 OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
 S9 341 S7:S8(7N) (FEE OR FEES OR CHARG??? OR PAYMENT? OR
 REMUNERAT?
 OR COST??? OR PRICE? OR PRICING? OR DEBT? OR LICENS? OR
 DIST-
 RIBUT?()RIGHT? ?)
 S10 15713 S2(100N)S5
 S11 132 S10 AND S9
 S12 10 S6(50N)S2(50N)S5(50N)S9
 S13 3 S12 NOT (AD>1999 OR AD=2000:2006)
 ? s s11 not s12
 132 S11
 10 S12
 S14 122 S11 NOT S12
 ? s s14 not (ad>1999 or ad=2000:2006)
 >>>File 348 processing for AD=1999 : AD=|
 >>> started at AD=000000 stopped at AD=040415
 >>>File 348 processing for AD=2000 : AD=2006
 >>> started at AD=00 stopped at AD=050413
 Processing
 >>>File 349 processing for AD=1999 : AD=|
 >>> started at AD=19990101 stopped at AD=20040623
 >>>File 349 processing for AD=2000 : AD=2006
 >>> started at AD=20000101 stopped at AD=20050623
 Processing
 122 S14
 1633051 AD>1999
 1499807 AD=2000 : AD=2006
 S15 39 S14 NOT (AD>1999 OR AD=2000:2006)
 ? s s6(100n)s9
 90554 S6
 341 S9
 S16 17 S6(100N)S9
 ? s s16 and s6(50n)s9
 17 S16
 90554 S6
 341 S9
 12 S6(50N)S9
 S17 12 S16 AND S6(50N)S9
 ? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()-		IEW??? ?
S7	22610	S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-		K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
S8	8788	S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-		OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9	341	S7:S8(7N) (FEE OR FEES OR CHARG??? OR PAYMENT? OR
REMUNERAT?		OR COST??? OR PRICE? OR PRICING? OR DEBT? OR LICENS? OR
DIST-		RIBUT?()RIGHT? ?)
S10	15713	S2(100N)S5
S11	132	S10 AND S9
S12	10	S6(50N)S2(50N)S5(50N)S9
S13	3	S12 NOT (AD>1999 OR AD=2000:2006)
S14	122	S11 NOT S12
S15	39	S14 NOT (AD>1999 OR AD=2000:2006)
S16	17	S6(100N)S9
S17	12	S16 AND S6(50N)S9
? s s17 not (ad>1999 or ad=2000:2006)		
>>>File 348 processing for AD=1999 : AD=		
>>> started at AD=000000 stopped at AD=040415		
>>>File 348 processing for AD=2000 : AD=2006		
>>> started at AD=00 stopped at AD=050413		

Processing

>>>File 349 processing for AD=1999 : AD=|
>>> started at AD=19990101 stopped at AD=20040623
>>>File 349 processing for AD=2000 : AD=2006
>>> started at AD=20000101 stopped at AD=20050623
12 S17
1633051 AD>1999
1499807 AD=2000 : AD=2006
S18 5 S17 NOT (AD>1999 OR AD=2000:2006)
? t 18/3,k/all

18/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01930027

Secure transaction management

Verfahren und Vorrichtung zur gesicherten Transaktionsverwaltung

Procede et dispositif de gestion de transactions securisees

PATENT ASSIGNEE:

Intertrust Technologies Corp., (2434323), 955 Stewart Drive,
Sunnyvale,

CA 94085, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, MD 20705, (US)

Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, CA 94530, (US)

Shear, Victor H., 5203 Battery Lane, Bethesda, MD 20814, (US)

Van Wie, David M., 51430 Williamette Street, 6, Eugene, OR 97401,
(US)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis (28273), BERESFORD & Co. 16 High
Holborn,

London WC1V 6BX, (GB)

PATENT (CC, No, Kind, Date): EP 1555591 A2 050720 (Basic)

EP 1555591 A3 051123

APPLICATION (CC, No, Date): EP 2005075672 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS (V7): G06F-001/00; G06F-017/60

ABSTRACT WORD COUNT: 147

NOTE:

Figure number on first page: 23

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200529	1002
SPEC A	(English)	200529	194028
Total word count - document A			195030
Total word count - document B			0
Total word count - documents A + B			195030

...SPECIFICATION into/with an electronic appliance operating system, it would be possible to provide certain VDE **functionality** available as an **application** running on a conventional operating system.

ROS Software Architecture

Figure 10 is a **block** diagram of one example of a **software** structure/architecture for Rights Operating System ("ROS") 602 provided by the preferred embodiment. In this...

18/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01888484

Systems and methods for secure transaction management and electronic rights

protection

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und

elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection

de droits electroniques

PATENT ASSIGNEE:

ELECTRONIC PUBLISHING RESOURCES, INC., (976840), 460 Oakmead Parkway, Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, Maryland 20705, (US)
Shear, Victor H., 5203 Battery Lane, Bethesda, Maryland 20814, (US)
Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, California 94530, (US)

Van Wie, David M., 1780 East 25th Avenue, Eugene, OR 97403, (US)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane, London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1526472 A2 050427 (Basic)

APPLICATION (CC, No, Date): EP 2004078254 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS (V7): G06F-017/60; G06F-009/46

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 75

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200517	355
SPEC A	(English)	200517	167222

Total word count - document A 167577
Total word count - document B 0
Total word count - documents A + B 167577

...SPECIFICATION into/with an electronic appliance operating system, it would be possible to provide certain VDE **functionality** available as an **application** running on a conventional operating system.

ROS Software Architecture

Figure 10 is a **block** diagram of one example of a **software** structure/architecture for Rights Operating System ("ROS") 602 provided by the preferred embodiment. In this...

18/3,K/3 (Item 3 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00804580

**Multimedia server system and method for communicating
multimedia
information
Multimediaserversystem und Verfahren zur Kommunikation
von**

**Multimediainformation
Systeme de serveur multimedia et methode pour la
communication**

d'information multimedia

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), New Orchard Road,

Armonk, N.Y. 10504, (US), (Applicant designated States: all)

INVENTOR:

Ottesen, Hal Hjalmar, 4230 Stoneham Lane N.W., Rochester, Minnesota 55901

, (US)

Smith, Gordon James, 5321 Countrycreek Court S.E., Rochester, Minnesota

55904, (US)

VanLeeuwen, George Willard, 2737 59th Street N.W., Rochester, Minnesota

55901, (US)

LEGAL REPRESENTATIVE:

de Pena, Alain (15151), Compagnie IBM France Departement de la Propriete

Intellectuelle, 06610 La Gaude, (FR)

PATENT (CC, No, Kind, Date): EP 748123 A2 961211 (Basic)
EP 748123 A3 051221

APPLICATION (CC, No, Date): EP 96480075 960531;

PRIORITY (CC, No, Date): US 472506 950607

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04N-007/173 ; G04F-003/06

ABSTRACT WORD COUNT: 234

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	711
SPEC A	(English)	EPAB96	25074
Total word count - document A			25785
Total word count - document B			0
Total word count - documents A + B			25785

...SPECIFICATION is to be further understood that a customized video segment sequence 54 representative of a **multimedia** program may alternatively be stored on the mass storage device 35 to facilitate efficient transmission...

...38 to accommodate a particular set-top control system's unique configuration and presentation control **functionality**. Generally, the process of **encoding** a **multimedia** program requires significantly greater processing resources and a **correspondingly** greater processing **cost** as compared to decoding operations. Pre-processing or encoding **multimedia** programs in a manner amenable to such standardized set-top control system 62 disproportionately shifts the processing overhead to the **multimedia** server 30, as well as the concomitant processing costs which can be shared by the...

...is preferably verified by a billing system 36 coupled to the controller 34 of the **multimedia** server 30. After proper account verification is confirmed, the subscribing customer is granted authorization rights...

18/3,K/4 (Item 4 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00804579

Multimedia control system and method for controlling multimedia program

presentation
Multimediasteuerungssystem und Verfahren zum Steuern von

Multimediaprogrammdarstellung
Systeme de controle multimedia et methode pour le controle de la

presentation de programmes multimedia

PATENT ASSIGNEE:

EchoStar Technologies Corporation, (7381800), 90 Inverness Circle East,

Englewood CO 80112, (US), (Applicant designated States: all)

INVENTOR:

Ottesen, Hal Hjalmar, 4230 Stoneham Lane N.W., Rochester,Minnesota

55901,

(US)

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PATENT (CC, No, Kind, Date): EP 748122 A2 961211 (Basic)
EP 748122 A3 060607

APPLICATION (CC, No, Date): EP 96480074 960531;

PRIORITY (CC, No, Date): US 473315 950607

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04N-007/173; G06F-003/06;

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

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NOTE:

Figure number on first page: 3

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English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	970
SPEC A	(English)	EPAB96	25173
Total word count - document A			26147
Total word count - document B			0
Total word count - documents A + B			26147

...SPECIFICATION is to be further understood that a customized video segment sequence 54 representative of a **multimedia** program may alternatively be stored on the mass storage device 35 to facilitate efficient transmission...

...38 to accommodate a particular set-top control system's unique configuration and presentation control **functionality**. Generally, the

process of **encoding** a **multimedia** program requires significantly

greater processing resources and a **correspondingly** greater processing

cost as compared to decoding operations. Pre-processing or encoding

multimedia programs in a manner amenable to such standardized set-top

control system 62 disproportionately shifts the processing overhead to

the **multimedia** server 30, as well as the concomitant processing costs

which can be shared by the...

...is preferably verified by a billing system 36 coupled to the controller
34 of the **multimedia** server 30. After proper account verification is confirmed, the subscribing customer is granted authorization rights...

18/3,K/5 (Item 5 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00804574

Multimedia direct access storage device and formatting method
Speichereinheit mit direktem Zugriff fur Multimedia
und

Formatierungsverfahren

Dispositif de stockage a acces direct et methode de formatage

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PATENT (CC, No, Kind, Date): EP 748121 A2 961211 (Basic)
EP 748121 A3 060222

APPLICATION (CC, No, Date): EP 96480069 960531;

PRIORITY (CC, No, Date): US 478328 950607

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04N-007/173; G06F-003/06;

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04N-0007/173 A I F B 20060101 19960917 H EP

G06F-0003/06 A I L B 20060101 19960917 H EP

ABSTRACT WORD COUNT: 210

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1318
SPEC A	(English)	EPAB96	25225
Total word count - document A			26548
Total word count - document B			0
Total word count - documents A + B			26548

...SPECIFICATION is to be further understood that a customized video segment sequence 54 representative of a **multimedia** program may alternatively be stored on the mass storage device 35 to facilitate efficient transmission...

...38 to accommodate a particular set-top control system's unique configuration and presentation control **functionality** . Generally, the process of **encoding** a **multimedia** program requires significantly greater processing resources and a **correspondingly** greater processing **cost** as compared to decoding operations. Pre-processing or encoding **multimedia** programs in a manner amenable to such standardized set-top control system 62 disproportionately shifts the processing overhead to the **multimedia** server 30, as well as the concomitant processing costs which can be shared by the...

...is preferably verified by a billing system 36 coupled to the controller 34 of the **multimedia** server 30. After proper account verification is confirmed, the subscribing customer is granted authorization rights...

? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR

STREA-
M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-
IEW??? ?
S7 22610 S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-
K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-
OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9 341 S7:S8(7N) (FEE OR FEES OR CHARG??? OR PAYMENT? OR
REMUNERAT?
OR COST??? OR PRICE? OR PRICING? OR DEBT? OR LICENS? OR
DIST-
RIBUT?()RIGHT? ?)
S10 15713 S2(100N)S5
S11 132 S10 AND S9
S12 10 S6(50N)S2(50N)S5(50N)S9
S13 3 S12 NOT (AD>1999 OR AD=2000:2006)
S14 122 S11 NOT S12
S15 39 S14 NOT (AD>1999 OR AD=2000:2006)
S16 17 S6(100N)S9
S17 12 S16 AND S6(50N)S9
S18 5 S17 NOT (AD>1999 OR AD=2000:2006)
? s s12:s13 or s17:s18
10 S12:S13
12 S17:S18
S19 17 S12:S13 OR S17:S18
? s s15 not s19
39 S15
17 S19
S20 35 S15 NOT S19
? idpat
...completed examining records
S21 35 IDPAT (sorted in duplicate/non-duplicate order)

Summary:

S21 has 35 records ordered as follows:

6 patent groups (records 1-12)

23 patent records without duplicates (records 13-35)

Group Table:

Groups	Total in Group	Primary Records	Record Numbers	Duplicates	Record Numbers
G1	2	F348	1-2		
G2	2	F348	3-4		
G3	2	F348	5		
		F349	6		
G4	2	F348	7	F349	8
G5	2	F348	9	F349	10
G6	2	F348	11	F349	12

1. Show Group Table

2. Show Summary

Records

3. Quit

4. TYPE or PRINT Selected Records

5. TYPE or PRINT Primary and Non-Duplicate

Enter an option (e.g., 4).

? 4

Press ENTER to TYPE records or enter PR to PRINT records via e-mail,
fax,

or postal delivery.

?

Enter format number or two-character display tag(s) (e.g., TI, PA) or
enter Q to return to command mode.

? q

Exiting IDPAT.

? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE? OR - APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR RESTRICT? - OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL? OR E- NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR AP- PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL- EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION? OR E- VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR MINUTE? ? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK??? OR CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR IDENTI- FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR DE- SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR WEBCAST? OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR STREA- M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR PAY()PER()V- IEW??? ?
S7	22610	S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR LIN- K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
S8	8788	S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR CORRESP- OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9	341	S7:S8(7N) (FEE OR FEES OR CHARG??? OR PAYMENT? OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR LICENS? OR DIST-

RIBUT?()RIGHT? ?)

S10	15713	S2(100N)S5
S11	132	S10 AND S9
S12	10	S6(50N)S2(50N)S5(50N)S9
S13	3	S12 NOT (AD>1999 OR AD=2000:2006)
S14	122	S11 NOT S12
S15	39	S14 NOT (AD>1999 OR AD=2000:2006)
S16	17	S6(100N)S9
S17	12	S16 AND S6(50N)S9
S18	5	S17 NOT (AD>1999 OR AD=2000:2006)
S19	17	S12:S13 OR S17:S18
S20	35	S15 NOT S19
S21	35	IDPAT (sorted in duplicate/non-duplicate order)

? s s20 and s10(50n)s9

	35	S20
	15713	S10
	341	S9
	51	S10(50N)S9

S22 11 S20 AND S10(50N)S9

? t 22/3,k/all

22/3,K/1 (Item 1 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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02038564

Secure transaction management
Sicheres Transaktionsmanagement
Gestion de transactions securisees

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1643340 A2 060405 (Basic)

EP 1643340 A3 060531

APPLICATION (CC, No, Date): EP 2005077923 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
 MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0001/00 A I F B 20060101 20060213 H EP

ABSTRACT WORD COUNT: 147

NOTE:

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English

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CLAIMS A	(English)	200614	2171
SPEC A	(English)	200614	193720
Total word count - document A			195924
Total word count - document B			0
Total word count - documents A + B			195924

...SPECIFICATION cannot be received by anyone other than the intended, authorized, party(ies) because it is **encrypted** such that only an authorized party, or her agents, can decrypt it. Such information may...

given VDE arrangement and/or content class) may be used with many or any

VDE **application** that operates in nodes of said arrangement. These parties, to the extent they are allowed...

...might further require certain one or more load modules execute as processes at an appropriate **time** to ensure that such credit will be used in order to pay for user use...

...copies made for distribution to employees of a given software program (a

portion of the **program** might be maintained in **encrypted** form and require the presence of a VDE installation to run). This would require the...

...stored information to ensure against substitution and tampering) and distributed content (to, for many content **applications** , employ one or

more content **encryption** keys that are unique to the specific VDE installation and/or user), private key techniques...content may add new

control methods and/or modify control parameter data, such as VDE **application** compliant methods, to the extent allowed by the content's

in-place control information. Such new control information might **specify**

, for example, who may use at least a portion of the new object, and/or

...
...or allowing a software program to be maintained in secure form but transiently decrypt any **encrypted** executing portion of said **program**

(all, or only a portion, of said **program** may be **encrypted** to secure

the **program**).Generally, the extraction features of the present invention allow users to aggregate and/or disseminate...sufficient backup

is conducted to enable complete reconstruction of VDE card internal information in the **event** of a card failure or loss.

) support certification processes that ensure authorized interoperability between various...

...that may introduce security (integrity and/or confidentiality of VDE secured information), process control, and/or **software** compatibility problems. Certification validates the identity of VDE installations and/or their components, as well...

...of a certain database and 2 U.S. Dollars or 3 German Marks may be **charged** for each record of said database decrypted (**depending** on user selected currency). Such usage can be metered while an additional audit for user profile purposes can be prepared recording the identity of each **filed** displayed. Additionally, further metering can be conducted regarding the number of said database bytes that...copies of this object that this distributor may distribute to end-users over a given **period** of **time** . In a **second** agreement, a value chain end-user may be involved in a three party agreement in...

...12A shows an example of how "objects" can be created; FIGURE 13 is a detailed **block** diagram of an example the **software** architecture for a "protected processing environment" shown in FIGURE 12;

FIGURES 14A-14C are examples...distribute and/or administer the container 302 and its content. Permissions record 808 may also **specify** requirements to be applied by the budgets 308 and "other methods" 1000. Permissions record 808 may also contain security related information such as **scrambling** and descrambling "keys." "Budgets" 308 shown in Figure 5B are a special type of "method..."

...usage of information content 304, and how usage will be paid for. Budgets 308 can **specify** , for example, how much of the total information content 304 can be used and/or copied. The methods 310 may prevent use of more than the amount **specified** by a **specific** budget. "Other methods" 1000 define basic operations used by "rules and controls." Such "methods" 1000...

...ask to read specified information; "rights operating system functions" 604 can then decide whether the **desired** information is VDE-protected content and, if it is, perform processes needed to make the...

...system functions" 604 can support applications 608 that "know" nothing about virtual distribution environment 100. **Applications** 608 that are "aware" of virtual distribution environment 100 may be able to make more

...secure manner by encrypting information before storing it in secondary storage 652. If information is **encrypted** before it is stored, physical access to secondary storage 652 or its contents does not...

...also store one or more VDE objects 300. Figure 8 also shows that the secure **files** 610 shown in Figure 7 may be stored on secondary storage 652 in the form of a "secure database" or management **file** system 610. This secure database 610 may store and organize information used by ROS 602...

...code that is executed to perform VDE and other OS functions 604, 606, and secure **files** 610 (as well as VDE objects 300) associated with those functions may be stored in...

...for example, information used by other operating system functions 606 for task management, non-VDE **files**, etc. Portions of the elements **indicated** in secondary storage 652 may also be stored in ROM 658, so long as those...

...that secondary storage 652 may also be used to store code ("application programs") providing user **application** (s) 608 shown in Figure 7. Figure 8 shows that there may be two general...

...or electronic appliance secondary memory 652 may be, for example, an instance of ROS 602 **software**, **application** programs 608, objects 300 containing VDE controlled property content and related information, and management database...

...520.

Real Time Clock (RTC) 528

In the preferred embodiment, SPU 500 includes a real **time clock** circuit ("RTC") 528 that serves as a reliable, tamper resistant time base for the SPU...

...least some circumstances.

If a power failure and/or RTC 528 discrepancy and/or other **event indicates** the possibility of tampering, SPU 500 may automatically destroy, or render inaccessible without privileged intervention... appropriate. This may be achieved by remotely downloading update and/or replacement data and/or **code**. In the **event** of a **disabling** and/or destruction of processes and/or information as described above, the

electronic appliance 600...

...In some implementations, the encrypt/decrypt functions may be performed instead by microprocessor 520 under **software** control, but providing special purpose **encrypt** /decrypt hardware engine 522 will, in general, provide increased performance. Microprocessor 520 may, if desired...

...may not be secure. Since the external memory may not be secure, SPU 500 may **encrypt** and cryptographically seal **code** and other information before storing it in external memory. Similarly, SPU 500 must typically decrypt...

...case, the small, securely packaged elements represent information contained in secure database 610. In the **second** case, such elements may represent protected (e.g., encrypted) virtual memory pages. Although virtual memory...RAM, ROM and secondary storage devices, and to provide commonly used functions for use by **programmers**, a piece of **software** called an "operating system" is usually included with the other components. Typically, this piece of **software** is designed to begin executing after power is applied to the computer system and hardware...

...the CPU, main memory and secondary memory devices is normally managed by this "operating system" **software**. Most computer operating systems also typically include a mechanism for extending their management functions to ...

...implementation.
The second approach would involve taking an existing set of API (Application Programmer Interface) **functions**, and incorporating references in the operating system **code** to VDE **function** calls. This is similar to the way that the current Windows operating system is integrated...

...secure SPE 503.
HPEs 655 may (as shown in Figure 10) be provided with a **software**-based tamper resistant barrier 674 that makes them more secure. Such a software-based tamper...

...be a candidate that could be readily exported from SPE 503 to HPE 655.

The **software**-based tamper resistant barrier 674 provided by HPE 655 may be provided, for example, by...a detailed architecture of ROS 602 shown in Figure 10. ROS 602 may include a **file** system 687 that

includes

a commercial database manager 730 and external object repositories 728.

Commercial...

...structure allows services to be called/requested without the calling process having to know or **specify** where the service is physically provided, what system or device will service the request, or...

...This feature supports families of services that may be scaled and/or customized for specific **applications**. Service requests can be forwarded

and serviced by different processors and/or different sites as...length"

size. It returns 0 if the packet is sent successfully, or returns an error **code** associated with the failure.

Redirector Service Manager 684

The redirector 684 is a piece of...

...provided by "adding on" to a pre-existing operating system or when "transparent" operation is **desired** for some VDE functions, as described

earlier. In one embodiment the kernel 680, part of...

...box" that displays "on top of" a running application irrespective of the state of the **application**.

The User Notification 686 **block** in the preferred embodiment may be

implemented as application code. The implementation of interface 740a...

or control information to be applied to or associated with the new object

300. To **specify** permissions, rules and control information, object submittal manager 774 and/or container manager 764 within...at least in

part by hardware within MMU 540 that cannot be modified by any **software**

-based process executing within SPU 500.

In the preferred embodiment, access to services implemented in...

...or decrypted, and passes the block to the next stage of processing.

The

next block **scheduled** for the encryption service then has its key moved

into the **encrypt** /decrypt engine 522, and the next cryptographic process

started.

A memory management unit 540 interrupt...

...s) and associated control program(s) that queues events from channel event sources, processes these **events**, and releases the appropriate tasks **specified** in the "channel detail record" for processing. A "channel detail record" in the preferred embodiment...

...1100, UDEs 1200 and private data areas required to properly process

the

event. One swap **block** and a corresponding channel detail item is created for each different event the channel can...

...encryption/decryption technologies not supported by SPU
encrypt/decrypt

engine 522 may be provided by **encrypt** /decrypt manager 556 in
software

. The primary bulk **encryption** /decryption load modules preferably are loaded at all times, and the load modules necessary for...

...include the key to be used; mode (encryption or decryption); any needed

Initialization Vectors; the **desired** cryptographic operating (e.g., type of feedback); the identification of the cryptographic instance to be...

22/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01869029

Systems and methods for secure transaction management and electronic rights

protection

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und

elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection

de droits electroniques

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PATENT (CC, No, Kind, Date): EP 1515216 A2 050316 (Basic)
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APPLICATION (CC, No, Date): EP 2004078194 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

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ABSTRACT WORD COUNT: 144

NOTE:

Figure number on first page: 75C

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

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CLAIMS A	(English)	200511	276
SPEC A	(English)	200511	167210
Total word count - document A			167486
Total word count - document B			0
Total word count - documents A + B			167486

...SPECIFICATION limited subset of electronic interaction activities
and

participants. Rather, VDE supports systems by which such
applications

can be created, modified, and/or reused. As a result, the present
invention answers pressing...or appliance related: usage
authorization,

usage auditing (which may include audit reduction), usage billing,
usage

payment , privacy filtering, reporting, and security **related**
communication and **encryption** techniques.

VDE extensively employs methods in the form of software objects to
augment configurability, portability...example, required load modules
and

data (e.g. in the form of a method) might **specify** that sufficient
credit from an authorized source must be confirmed as available. It
might

further...

...copies made for distribution to employees of a given software
program (a

portion of the **program** might be maintained in **encrypted** form and
require the presence of a VDE installation to run). This would
require
the...

...NVRAM) can be achieved, in part, by employing such memory within an
SPU

package, by **encrypting** data before it is sent to external memory
(such
as an external RAM package) and...

...for example, standard host storage, such as random access memory,
mass

storage, etc. In that **event** , a VDE SPU would encrypt data that
results

from a secure VDE execution before such...

...templates for different purposes (for example, a confidential memo
template for internal organization purposes may **restrict** the
ability to

"keep," that is to make an electronic copy of the memo).

) employ...

...Templates are applications or application add-ons under the present invention. Templates support the efficient **specification** and/or manipulation of criteria related to specific content types, distribution approaches, pricing mechanisms, user...appliances. Content users, such as end-user customers using commercially distributed content (games, information resources, **software** programs, etc.), can define, if allowed by senior control information, budgets, and/or other control... agreements, a listing of textual terms and conditions can be produced by a VDE user **application** which, in a preferred embodiment, provides phrases, sentences and/or paragraphs that have been stored...

...users to determine, the proper order and relationship between the library elements corresponding to the **chosen** methods and/or assemblies so as to compose some or all portions of a legal...
 ...features further support employing modern language tools that allow one or more users to make **selections** from choices and provide answers to questions and to produce a VDE electronic agreement from...

...entirely different, portions of content for metering, billing, budgeting, and user identification, for example, paying **fees associated** with usage of content, performing home banking, managing advertising services, etc. VDE modular separation of...

...an additional audit for user profile purposes can be prepared recording the identity of each **filed** displayed. Additionally, further metering can be conducted regarding the number of said database bytes that...
 FIGURE 7 shows an example of an electronic appliance;
 FIGURE 8 is a more detailed **block** diagram of an example of the electronic appliance shown in FIGURE 7;
 FIGURE 9 is...

...12A shows an example of how "objects" can be created;
 FIGURE 13 is a detailed **block** diagram of an example the **software** architecture for a "protected processing environment" shown in FIGURE 12;
 FIGURES 14A-14C are examples...

...she has "rules and controls" that authorize use of the program. She can use the **program** only as permitted by the "rules and controls."
 For example, video production studio 204 might...

...204 may also provide "rules and controls" for the video. These "rules and controls" may **specify** for example:
 (1) any consumer who has good credit of at least \$2.00 based...

otherwise get involved with the underlying complexities involved in satisfying a summary request. For example, **application** 608 may simply

ask to read **specified** information; "rights operating system functions"

604 can then decide whether the desired information is VDE...

...make the information available. This feature is called "transparency."

"Transparency" makes tasks easy for the **application** 608. "Rights operating system functions" 604 can support **applications** 608 that "know" nothing about virtual distribution environment 100.

Applications

608 that are "aware" of...

...store and organize information used by ROS 602 to perform VDE functions

604. Thus, the **code** that is executed to perform VDE and other OS functions 604, 606, and secure **files** 610 (as well as VDE objects 300)

associated with those functions may be stored in...

...operating system functions 606 for task management, non-VDE files, etc.

Portions of the elements **indicated** in secondary storage 652 may also be

stored in ROM 658, so long as those...

...is applied).

Figure 8 shows that secondary storage 652 may also be used to store **code** (" **application** programs") providing user application(s) 608 shown

in Figure 7. Figure 8 shows that there may be two general types of **application** programs 608: "VDE aware" **applications** 608a, and Non-VDE

aware applications 608b. VDE aware **applications** 608a may have been at

least in part designed specifically with VDE 100 in mind...

...for decrypting (or otherwise unsecuring) VDE protected objects 300.. It

is also used for managing **encrypted** and/or otherwise secured communication (such as by employing authentication and/or error-correction validation...

...SPU barrier 502 may include additional hardware protections that make

successful attacks exceedingly costly and **time** consuming. For example,

ion implantation and/or other fabrication techniques may be used to make

...least some circumstances.

If a power failure and/or RTC 528 discrepancy and/or other **event** **indicates** the possibility of tampering, SPU 500 may automatically destroy, or render inaccessible without privileged intervention...

...appropriate. This may be achieved by remotely downloading update and/or

replacement data and/or **code** . In the event of a **disabling** and/or destruction of processes and/or information as described above, the electronic appliance 600...

...520 or encrypt/decrypt engine 522, to assist in the computations required for certain asymmetric **encryption** /decryption operations. Such

arithmetic accelerators are well-known to those skilled in the art. In...

...may be omitted, and any necessary data movements may be performed by microprocessor 520 under **software** control.

Bus Interface Unit (BIU) 530

Bus interface unit (BIU) 530 communicates information between SPU...

...for general purpose file storage can, for example, also be used to store

VDE management **files** 610. SPU 500 may be given exclusive access to the

external memory (e.g., over...

...electronic appliance 600 has been described above. The following section

describes an example of the **software** architecture of electronic appliance 600 provided by the preferred embodiment, including the structure and operation...

...System 602

Rights Operating System ("ROS") 602 in the preferred embodiment is a

compact, secure, **event** -driven, services-based, "component" oriented,

distributed multiprocessing operating system environment that integrates

VDE information security...

...or modified (subject to permissioning)

C full control information over pre-defined and user-defined **application**

events

C events can be individually controlled with independent executables

Secure

C secure communications

C...

...RAM, ROM and secondary storage devices, and to provide commonly used functions for use by **programmers** , a piece of software called an "operating system" is usually included with the other components...

...the CPU, memory and peripheral devices through the operating system, a

coherent set of basic **functions** and abstraction layers for hiding hardware details allows **programmers** to more easily create sophisticated

applications. In addition, managing the computer's hardware resources with...design and implementation.

The second approach would involve taking an existing set of API (Application **Programmer** Interface) functions, and incorporating references in the operating system **code** to VDE function calls. This is

similar to the way that the current Windows operating...

...appliance operating system, it would be possible to provide certain VDE

functionality available as an **application** running on a conventional operating system.

ROS **Software** Architecture

Figure 10 is a **block** diagram of one example of a software structure/architecture for Rights Operating System ("ROS") 602...

...one or more Host Event Processing Environments ("HPEs") 655 and/or one

or more Secure **Event** Processing Environments ("SPEs") 503 (these environments may be generically referred to as "Protected Processing Environments...)

...contained computing and processing environments that may include their

own operating system kernel 688 including **code** and data processing resources. A given electronic appliance 600 may include any number of SPE

...

...be a candidate that could be readily exported from SPE 503 to HPE 655.

The **software** -based tamper resistant barrier 674 provided by HPE 655

may be provided, for example, by: introducing **time** checks and/or **code**

modifications to complicate the process of stepping through **code** comprising a portion of kernel 688a and/or a portion of component assemblies 690 using...

...resources of electronic appliance 600 to "protect" the operation of HPE

655 from other processes, **functions**, etc. Although such a software-based tamper resistant barrier 674 may provide a fair degree...

at any given point in time.

Method core 1000' may be parameterized by an "event **code** " to permit

it to respond to different **events** in different ways. For example, a METER method may respond to a "use" event by...

...a detailed architecture of ROS 602 shown in Figure 10. ROS 602 may include a **file** system 687 that includes a commercial database manager

730 and external object repositories 728. Commercial...the object to be

created. Such parameters may include, for example, map tables, key

management **specifications** , and **event** method parameters. The
object
construction stage 1230 may take the object configuration **file** 1240
and
the information or content to be included within the new object as
input
...SPE 503 to create one or more PERCs 808, public headers, private
headers, and to **encrypt** content, all for storage in the new object
300
(or within secure database 610 within...

22/3,K/3 (Item 3 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01796015

Mobile electronic commerce system
Mobiles elektronisches Handelssystem
Systeme de commerce electronique mobile

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1467300 A1 041013 (Basic)

APPLICATION (CC, No, Date): EP 2004015278 980813;

PRIORITY (CC, No, Date): JP 97230564 970813

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

EP 950968 (EP 98937807)

INTERNATIONAL PATENT CLASS (V7): G06F-017/60; H04Q-007/32; G07F-007/08

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SPEC A	(English)	200442	160348
Total word count - document A			177979
Total word count - document B			0
Total word count - documents A + B			177979

...SPECIFICATION the consumer 13805 (13830) in exchange for cash
(13829)

and the ticket vending process is **terminated** .

Then, following the subtraction of its commission, the ticket
retail

store 13820 transmits a record...

...commission from the record of receipts and transmits the result to the

promotor of the **event** for which the ticket was sold (13834).

Later, the consumer 13805 presents the ticket 13816 to an usher 13822

at an **event** hall 13823 (13832), and after the usher 13822 visually examines the contents of the ticket...the second electronic wallet; the

second electronic wallet transmits, to the service providing means, the

payment card transfer certificate message that is received; the service

providing means performs an examination to establish the validity of the

payment card transfer certificate message that is received, and transmits, to the second electronic wallet, the...

...in the payment card transfer certificate message; and the second electronic wallet stores, in the **second** storage means thereof, the electronic payment card that is received.

Therefore, the electronic payment card...

...electronic telephone card stored in the second storage means is to be

transferred to a **second** electronic wallet, and transmits the telephone

card transfer certificate message via wireless communication means to...

by individual telephone card issuers.

According to the invention cited in claim 93, the template **program** for the electronic telephone card includes:

a transaction module program for the electronic telephone card...

...ticket information describing the contents of the electronic ticket when

issued; and

a ticket certificate **indicating** that the electronic ticket is authentic. The ticket **program** includes:

electronic ticket state management information; and

ticket **program** data for specifying an operation to be performed by

the electronic ticket. The digital signature...

...card can be performed safely.

According to the invention cited in claim 95, the ticket **program** includes a ticket signature private key that is employed for a digital

signature provided for...

...are exchanged by the electronic wallet and the electronic ticket examination means;

a display module **program** for specifying the manner in which the electronic ticket is to be displayed; and representative...

...payment card is issued, and a high degree of freedom can be exercised in the **selection** of the type of electronic payment card that is to be issued.

According to the...

...message has been received; and the electronic wallet stores the received

receipt message in the **second** storage means for the electronic wallet.

Since an amount higher than that designated by the...

...the electronic payment card settlement means, so that the electronic payment card settlement means can **determine** whether the card is a valid

electronic payment card.

According to the invention cited in...

...the electronic telephone card settlement means, when provision of the

radio wireless communication service is **terminated**, stores the latest

telephone micro-check message in the second storage means for the electronic...

...is not increased very much even though the payment of additional fees is

effected many **times** during the communication process.

According to the invention cited in claim 121 the micro-check...claims

41 to 146 is recorded in a form readable by a computer. Thus, the **program** can be distributed in a portable form.

According to the invention cited in claim 158...the service system according to the embodiment of the present invention;

Fig. 94B is a **specific** diagram showing the data structure of a clearing completion notification that is transmitted, in the...
...card issuing system according to the embodiment of the present invention;

Fig. 97A is a **specific** diagram showing the data structure of an electronic payment card issuing commission for the payment...

...card purchase processing according to the embodiment of the present invention;

Fig. 98A is a **specific** diagram showing the data structure of a temporary receipt for the payment card purchase processing...1505, 2205,

2606, 3005, 3404, 3805: cryptographic processor
1506, 2206, 2607, 3006, 3405, 3806: data **codec**
1508, 2214, 2610, 3008, 3407: control logic unit
1509, 2212, 2611, 3009: key operator
1510...

...3100, 3500: frame counter

1601, 3101, 3501: start frame counter
1602, 2300, 2700, 3102, 3502: **clock** counter
1603, 2301, 2701, 3103, 3503: update time register

1604, 2302, 2702, 3104, 3504: interrupt...

...control register

1612, 2306, 2710, 3112: key operator control register
1613, 2711, 3113: audio data **encryption** key register
2203, 2603, 3803: hard disk
2207: digital telephone communication unit
2208, 2608: serial...

...a ticket that is accomplished subsequent to its purchase, and the use of

the ticket.

Specifically, a user employs the mobile user terminal 100 to purchase

a ticket from the ticket...process, the closing process, the decryption

process, and the digital signature verification process.

The data **codec** 1506 **encodes** data to be transmitted or decodes data

that is received under the control of the...

...data into data that can be transmitted across the radio channel.

In addition, the audio **codec** 1512 includes an audio data **encryption**

key register (CRYPT) 1613 in which is stored an encryption key for the

secret key...

...to the audio data encryption key register (CRYPT) 1613 by the CPU 1500,

the audio **codec** 1512 **encodes** the analog audio signal 1542 to provide

digital audio data, and at the same time...

22/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01030324

MOBILE ELECTRONIC COMMERCE SYSTEM

MOBILES ELEKTRONISCHES HANDELSSYSTEM

SYSTEME DE COMMERCE ELECTRONIQUE MOBILE

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 950968 A1 991020 (Basic)

WO 9909502 990225

APPLICATION (CC, No, Date): EP 98937807 980813; WO 98JP3608 980813
PRIORITY (CC, No, Date): JP 97230564 970813
DESIGNATED STATES: DE; FR; GB
RELATED DIVISIONAL NUMBER(S) - PN (AN):
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INTERNATIONAL PATENT CLASS (V7): G06F-017/60
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Japanese

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SPEC A	(English)	9942	160346
Total word count - document A			177585
Total word count - document B			0
Total word count - documents A + B			177585

...SPECIFICATION the consumer 13805 (13830) in exchange for cash
(13829)

and the ticket vending process is **terminated** .

Then, following the subtraction of its commission, the ticket
retail

store 13820 transmits a record ...commission from the record of
receipts

and transmits the result to the promotor of the **event** for which the
ticket was sold (13834).

Later, the consumer 13805 presents the ticket 13816...the second
electronic wallet; the second electronic wallet transmits, to the
service

providing means, the **payment** card transfer certificate message that
is

received; the service providing means performs an examination to...

...electronic payment card that is described in the payment card
transfer

certificate message; and the **second** electronic wallet stores, in
the

second storage means thereof, the electronic payment card that is
received.

Therefore, the electronic payment card...

...electronic telephone card stored in the second storage means is to
be

transferred to a **second** electronic wallet, and transmits the
telephone

card transfer certificate message via wireless communication means
to...A

central processing unit in the electronic wallet processes, in
accordance

with the transaction module **program** for the electronic telephone
card,

the message data that are exchanged with the electronic telephone...

...by individual telephone card issuers.

According to the invention cited in claim 86, the template **program** for the electronic telephone card includes:

a transaction module program for the electronic telephone card...

...when issued; and

a ticket certificate indicating that the electronic ticket is authentic. The ticket **program** includes:

electronic ticket state management information; and

ticket **program** data for specifying an operation to be performed by the electronic ticket. The digital signature...

...card can be performed safely.

According to the invention cited in claim 88, the ticket **program** includes a ticket signature private key that is employed for a digital

signature provided for...are exchanged by the electronic wallet and the

electronic ticket examination means;

a display module **program** for specifying the manner in which the electronic ticket is to be displayed; and

representative...

...message or the electronic payment card installation request message includes template program identification information for **designating**

in the order to be used for the generation of an electronic payment card, one...

...payment card is issued, and a high degree of freedom can be exercised in

the **selection** of the type of electronic payment card that is to be issued.

According to the...the electronic telephone card settlement means, when

provision of the radio wireless communication service is **terminated**

stores the latest telephone micro-check message in the second storage means for the electronic...

...is not increased very much even though the payment of additional fees is

effected many **times** during the communication process.

According to the invention cited in claim 114, the micro-check...the

accounting device according to the embodiment of the present invention;

Fig. 37 is a **specific** diagram showing data that are stored in the

service data area of the accounting device according to the embodiment of

the present invention;

Fig. 38 is a **block** diagram illustrating the arrangement of an electronic telephone card automatic vending machine according to the...

the service system according to the embodiment of the present

invention;

Fig. 94B is a **specific** diagram showing the data structure of a clearing completion notification that is transmitted, in the...

...card issuing system according to the embodiment of the present invention;

Fig. 97A is a **specific** diagram showing the data structure of an electronic payment card issuing commission for the payment...

...card purchase processing according to the embodiment of the present invention;

Fig. 98A is a **specific** diagram showing the data structure of a temporary receipt for the payment card purchase processing...control register

1612, 2306, 2710, 3112: key operator control register

1613, 2711, 3113: audio data **encryption** key register

2203, 2603, 3803: hard disk

2207: digital telephone communication unit

2208, 2608: serial...process, the closing process, the decryption process, and the digital signature verification process.

The data **codec** 1506 **encodes** data to be transmitted or decodes data

that is received under the control of the...

...data into data that can be transmitted across the radio channel.

In addition, the audio **codec** 1512 includes an audio data **encryption**

key register (CRYPT) 1613 in which is stored an encryption key for the

secret key...

...to the audio data encryption key register (CRYPT) 1613 by the CPU 1500,

the audio **codec** 1512 **encodes** the analog audio signal 1542 to provide

digital audio data, and at the same time...

22/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00900498

RADIO CONTROLLED ENGINE KILL SWITCH

FUNKGESTEUERTE WEGFAHRSPERRE

COUPE-CIRCUIT RADIO-COMMANDE POUR MOTEUR

PATENT ASSIGNEE:

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APPLICATION (CC, No, Date): EP 97921168 970424; WO 97US6120 970424
PRIORITY (CC, No, Date): US 16260 P 960424
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU;
MC; NL; PT; SE
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CLAIMS B	(English)	200444	1263
CLAIMS B	(German)	200444	1111
CLAIMS B	(French)	200444	1679
SPEC B	(English)	200444	5854
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Total word count - document B			9907
Total word count - documents A + B			9907

...SPECIFICATION any of the transmitters 12 is broken, the strobe 22 begins
to flash simultaneous with, **or as** an alternative to the opening of
the previously described engine kill switch. The strobe 22...

...26 can be any pitch which can be heard over a distance and over the
sound of the **natural** elements. By providing a pitch which will
carry

over the sounds of the ocean, the...
...entered via keypad, or other input devices 28. By successfully
entering
the warning strobe 22 **deactivation code** , only the signal warning
strobe 22 would be deactivated. The switch within the receiver 14...

...open due to the loss of a transmitter signal and the engine would
remain
inoperable. **An** automatic reset for the **deactivation of the**
signal
warning strobe would take place when the receiver 14 recognizes the
transmitter 12 signal...

...as the strobe 22 and is preferably deactivated simultaneous with the
strobe 22.

In the **event** the operator **desires** to override the entire radio
controlled engine kill switch system 10, this would be
accomplished...be

seen from Figure 6, once activated the receiver continually verifies
that

a code is **being** received, checking the code **against** the known
address
of the "partnered" transmitter. If the received code address matches
the

known code address, the receiver proceeds to cycle through the

process.

If, however, the **code** is **not** received, or an incorrect address is received, the system disables the motor. Various checks and...

...from the receiver. Once the transmitter is detached from the receiver,

the transmitter circuitry adds **the** transmission loop, **continually** checking for the presence of water. If water is not detected, the system

continues to loop. When **water** is detected, the system turns **off** the transmitter and enters **a** sub-loop continually checking **for** the

presence of water. Once the transmitter is out of the water, the main loop...

...illustrated in the block diagrams 620 and 640.

The activation of the transmitter at the **time** of use **can** be **incorporated** with any of the foregoing embodiments. In the embodiments

wherein the transmitter is activated by...

...chip. The transmitters would be programmed to transmit a code to the receiver for a **predetermined** amount of **time**, for example one and a

half hours in the event of an one **hour** rental. After the **predetermined**

time has run out, the **code** would cease transmitting, therefore **deactivating** the engine. A location **code** would subsequently commence

transmission, allowing the owner of the vehicle to locate the missing vehicle...

...the vehicle must be returned. A countdown timer can also be incorporated

in the receiver, **indicating** the **time** remaining on the rental.

Since other modifications and changes varied to fit particular operating requirements...

22/3,K/6 (Item 6 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00616346

METHOD AND APPARATUS FOR MONITORING BATTERY CAPACITY WITH CHARGE CONTROL

VERFAHREN UND VORRICHTUNG ZUR UBERWACHUNG DER BATTERIEKAPAZITAT MIT

LADUNGSREGELUNG

PROCEDE ET APPAREIL DE CONTROLE DE LA CAPACITE D'UNE BATTERIE AVEC

REGULATION DE LA CHARGE

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PRIORITY (CC, No, Date): US 910688 920708

DESIGNATED STATES: DE; ES; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS (V7): H02J-007/10; G01R-031/36

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CLAIMS B	(English)	9940	1593
CLAIMS B	(German)	9940	1475
CLAIMS B	(French)	9940	1835
SPEC B	(English)	9940	12449
Total word count - document A			0
Total word count - document B			17352
Total word count - documents A + B			17352

...SPECIFICATION initiated, as indicated by block 328. After the charge
count routine has been executed, the **program** flows to a block 330,
wherein the display is updated and then to a block...

...334.

If the interrupt is not a charge interrupt, the program flows to a
decision **block** 336 to determine whether the interrupt is a
discharge

interrupt. If it is a discharge interrupt, the **program** flows to a
block 338 to initiate the discharge count routine and then to the
block

330. If the interrupt is not a discharge interrupt, the **program**
flows
to a decision **block** 340 to **determine** whether the interrupt is a
timer

interrupt, this **indicating** the self-discharge **timer** output from
counter 88. If it is a timer interrupt, the **program** flows to a
block

342 to increment the time by one and to a decision block 344 to
determine whether the **timer** count is greater than SD. The SD value
represents a variable that is exponentially related...

...multiplexer 86. This allows the self-discharge rate to be
temperature

compensated. If so, the **program** flows to a **block** 346 to initiate
the

self-discharge count routine. If not, the **program** flows to the update display **block** 330. After the self-discharge count routine has been completed, the program flows to the...return block 378.

If the NOCHG flag was set equal to one, indicating a non- **charging** state, **charging** would be **inhibited** and the **program** would flow from the decision **block** 364 along a "Y" path to a **function** block 380 to set the CHG flag equal to "0" to inactivate the charging operation... ..0", indicating an operation where the system is forced to a trickle charge operation. The **program** then flows to a decision **block** 382 to determine whether the TOPOFF flag is set equal to "1". This flag is... ..is set equal to "0", the program flows along a "Y" path to a decision **block** 384 to **determine** if the **software timer** QTIM is equal to zero. If so, this indicates the end of the top off... ..top off is continuing, the program will flow along the "N" path to a **function** **block** 386 to decrement the QTIM **software timer** and then to a decision block 388 to determine whether the value of the... ..be as illustrated in Table 2.

If the temperature is within the appropriate range, the **program** flows from decision block 390 along the "N" path to a decision block 392 to... ..a pulse is to be generated and the program flows along the "Y" path to **function** **block** 394 to reset the **software counter** for the trickle **charge** equal to a predetermined time TRTIME. The **program** then flows to the **function** **block** 376 to activate the **charging** operation. The TRTIME value is set such that it takes fifteen cycles to reset the... ..hereinbelow.

If the temperature had exceeded the range set by the temperature threshold TCO, the **program** would flow from the decision **block** 390 to the **function** block 382 to inactivate the **charging** operation. Therefore, it can be seen that if either the secondary battery voltage or the... ..path to a function block 398 to decrement the trickle counter and then to the **function** **block** 382 to **deactivate charging** . The **program** will flow along this path until either the top off operation is complete or the...

22/3,K/7 (Item 7 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00465579

Method and apparatus for determining and using program
paging
characteristics to optimize system productive CPU time.
Verfahren und Vorrichtung zum Bestimmen und Verwenden
von
Programmseitenverwaltungsmerkmalen zur Optimierung der
produktiven
CPU-Zeit des Systems.
Procede et appareil de determination et d'utilisation de
caracteristiques
de pagination de programme pour optimaliser le temps productif
CPU du
systeme.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 472868 A2 920304 (Basic)

EP 472868 A3 920408

APPLICATION (CC, No, Date): EP 91111497 910710;

PRIORITY (CC, No, Date): US 576539 900831

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): G06F-012/12;

ABSTRACT WORD COUNT: 99

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1020
SPEC A	(English)	EPABF1	10292
Total word count - document A			11312
Total word count - document B			0
Total word count - documents A + B			11312

...CLAIMS program paging characteristics to improve productive CPU time
comprising the step of collecting, in a **program - related**
control

block , **program** paging data comprising the **program** 's CPU
cost

for paging per resident second as a function of central storage allocated.

10. In a...
 ...program paging characteristics to improve productive CPU time comprising
 the step of collecting, in a **program** -related control **block** ,
program paging data comprising the **program** 's productive CPU
 rate
 per resident second as a function of central storage allocated.

11. The method of claim 10 further comprising the step of collecting,
 in
 a **program** - related control **block** , **program** paging data
 comprising the **program** 's CPU **cost** for paging per resident
 second
 as a function of central storage allocated.

12. In a...
 ...operating system, a method for determining and using program paging
 characteristics to improve productive CPU **time** comprising the
 steps
 of:
 a) **selecting** one or more to-be-monitored programs;
 b) generating a set of paging characteristics for each to-be-
 monitored
 program over a **time** interval;
 c) **selecting** one or more to-be-managed programs from the one or
 more
 to-be-monitored...

22/3,K/8 (Item 8 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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00246965

Parallel computation circuit.
Parallelele Berechnungsschaltung.
Circuit de calcul parallele.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 242098 A2 871021 (Basic)
 EP 242098 A3 881228

EP 242098 B1 930915
APPLICATION (CC, No, Date): EP 87302964 870406;
PRIORITY (CC, No, Date): US 851234 860414
DESIGNATED STATES: DE; ES; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS (V7): G06G-007/60; G06F-015/76;
ABSTRACT WORD COUNT: 92

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	565
CLAIMS B	(German)	EPBBF1	539
CLAIMS B	(French)	EPBBF1	659
SPEC B	(English)	EPBBF1	3517
Total word count - document A			0
Total word count - document B			5280
Total word count - documents A + B			5280

...SPECIFICATION this function E led to the use of the FIG.1 circuit in
problem solving **applications** in **associative** memory **applications**

and in decomposition problems.

The FIG. 1 circuit can solve the above classes of problems when
those

problems are structured...

...equations that contain terms of order higher than two. Those may be
problems that perhaps **can** otherwise be stated with **second** order
terms, but the statement with higher order terms is more meaningful,
or
they may...

22/3,K/9 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00391508 **Image available**

**AN AUTOMATED COMMUNICATIONS SYSTEM AND METHOD FOR TRANSFERRING
INFORMATIONS**

**BETWEEN DATABASES IN ORDER TO CONTROL AND PROCESS COMMUNICATIONS
SYSTEME ET PROCEDE DE COMMUNICATIONS AUTOMATISES POUR LE
TRANSFERT**

**D'INFORMATIONS ENTRE DES BASES DE DONNEES A DES FINS DE COMMANDE
ET DE**

TRAITEMENT DES COMMUNICATIONS

Patent Applicant/Assignee:

INTERMIND CORPORATION,

Inventor(s):

REED Drummond Shattuck,
HEYMANN Peter Earnshaw,
MUSHERO Steven Mark,
JONES Kevin Benard,
OBERLANDER Jeffrey Todd,
BANAY Dan,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9732251 A1 19970904

Application: WO 97US3205 19970228 (PCT/WO US9703205)
Priority Application: US 96609115 19960229; US 96722314 19960927
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN GH KE LS MW SD SZ UG AM AZ
BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 92326

Fulltext Availability:
Detailed Description

Detailed Description
... to format the information for transfer.

According to another aspect of the invention, a consumer **program** is used to receive and process the transferred information. The consumer program receives information from...invention.

FIG. 14 represents a user interface display for a form for inputting information in **conjunction** with an embodiment of a consumer **program** .

FIG. 15 is a **block** flow diagram for a process for receiving a communications object.

FIG. 16A is a block flow diagram for the main **event** loop of the consumer or provider **program** .

FIG. 16B is a **block** flow diagram for the scheduled event loop of the consumer or provider program.

FIG. 17...for a process for multuser editing using single-user versions of the combined provider/consumer **program** .

FIG. 43 is a **block** flow diagram for a process for coordinating fax document delivery using a communications object system...each object the program reads the associated recipients 120 (step 503). The program begins a **second** loop (step 504) through each recipient 120. Using the recipient attributes and methods, a communications...

22/3,K/10 (Item 2 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00378794 **Image available**

REMOTE-AUDITING OF COMPUTER GENERATED OUTCOMES USING CRYPTOGRAPHIC AND

OTHER PROTOCOLS

CONTROLE A DISTANCE DE RESULTATS PRODUITS PAR ORDINATEUR, AU MOYEN DE

PROTOCOLES CRYPTOGRAPHIQUES ET AUTRES

Patent Applicant/Assignee:

WALKER ASSET MANAGEMENT L P,

Inventor(s):

SCHNEIER Bruce,

WALKER Jay S,

JORASCH James,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9719537 A1 19970529

Application: WO 96US18834 19961122 (PCT/WO US9618834)

Priority Application: US 95561668 19951122; US 96677544 19960710; US 96694469 19960808

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN

MW MX NO NZ PL PT RO RU SD SE SG SI SK SK TJ TM TR TT UA UG UZ VN KE LS

MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE

IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 46659

Fulltext Availability:

Detailed Description

Detailed Description

... The Charging

Method is one of the two identifiers

Charge

Per -Use or Charge-Per- **Time** to **indicate** which form of charging is to be applied when the Software - ID is used.

The...

...they

exist. If it has the value "Base" that means that this is a base **cost** table element, usually **associated** with the **Software Control Block** 706 in the insecure data source 704.

If there are no other charge table elements...710 of the metered program

503. This key is found

either by looking up the **Software** -ID from the **Software Control Block** 706 in the **Software** -Key

Table, or may consist

of SK-Imm-Run for immediately-runable programs (recognized by...

...whether the current resource limits are sufficient to run the metered program 503. If Limit- **Time** or Limit-Cost exceeds a **predetermined** value, ...player that he must communicate with central computer 12 to authorize additional usage of metered **software** (and this protocol **terminates**).

At step 584, if either the Limit-Cost or Limit-Time are in a certain...the price per game credit from the data or instructions
SUBSTITUTE SHEET (RULE 26)

- 113

associated with Software Control Block 70G of the game program 26. The price per

22/3,K/11 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00253760

METHOD AND APPARATUS FOR MONITORING BATTERY CAPACITY WITH CHARGE CONTROL

PROCEDE ET APPAREIL DE CONTROLE DE LA CAPACITE D'UNE BATTERIE AVEC

REGULATION DE LA CHARGE

Patent Applicant/Assignee:

BENCHMARK MICROELECTRONICS INC,

Inventor(s):

LANDAU John Edward,

MATTHEWS Wallace Edward,

FREEMAN David Louis,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9401914 A1 19940120

Application: WO 93US6495 19930708 (PCT/WO US9306495)

Priority Application: US 92910688 19920708

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 14786

Fulltext Availability:

Detailed Description

Detailed Description

... initiated, as indicated by block 328. After the charge count routine

has been executed, the **program** flows to a block 330, wherein the display is updated and then to a block...

...334.

If the interrupt is not a charge interrup@, the program flows to a decision **block** 336 to determine whether the interrupt is a discharge

interrupt. If it is a discharge interrupt, the **program** flows to a **block** 338 to initiate the discharge count routine and then to the **block** 330. If the interrupt is not a discharge interrupt, the **program** flows to a decision **block** 340 to **determine** whether the interrupt is a timer interrupt, this **indicating** the self-discharge **timer** output from counter 88. If it is a timer interrupt, the **program** flows to a **block** 342 to increment the time by one and to a decision **block** 344 to **determine** whether the **timer** count is greater than SD. The SD value represents a variable that is exponentially related...
...multiplexer 86.

This allows the self-discharge rate to be temperature compensated. If so, the **program** flows to a **block** 346 to initiate the self-discharge count routine. If not, the **program** flows to the update display **block** After the self-discharge count routine has been completed, the program flows to the update...return **block** 378.

If the NOCHG flag was set equal to one, indicating a non- **charging** state, **charging** would be **inhibited** and the **program** would flow from the decision **block** 364 along a "Y" path to a **function** **block** 380 to set the CHG flag equal to "O" to inactivate the charging operation...
...O", indicating an operation where the system is forced to a trickle charge operation. The **program** then flows to a decision **block** 382 to determine whether the TOPOFF flag is set equal to " I ". This flag is the program flows along a "Y" path to a decision **block** 384 to **determine** if the **software** **timer** QTIM is equal to zero. If so, this indicates the end of the top off...

...top off is continuing, the program will flow along the "N" path to a **function** **block** 386 to decrement the QTIM **software** timer and then to a decision **block** 388 to determine whether the value of the...

...be as illustrated in Table 2.

If the temperature is within the appropriate range, the **program** flows from decision **block** 390 along the "N" path to a decision **block** 392 to...

...a pulse is to be generated and the program flows along the "Y" path to

function block 394 to reset the **software** counter for the trickle **charge** equal to a predetermined time TRTRVIE.

The **program** then flows to the **function block 376** to activate the **charging** operation. The TRTIME value is set such that it takes fifteen cycles to reset the...

...hereinbelow.

If the temperature had exceeded the range set by the temperature threshold TCO, the **program** would flow from the decision **block0 390** to the **function block 382** to inactivate the **charging** operation. Therefore, it can be seen that if either the secondary battery voltage or the...path to a function block 398 to decrement the trickle counter and then to the **function block 382** to **deactivate charging**. The **program** will flow along this path until either the top off operation is complete or the...
? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR RESTRICT? -
OR E-		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
S3	33832	NCOD??? OR ENCRYPT? OR INHIBIT?)
AP-		S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL-
S4	1907722	EMENT?)
OR E-		TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
MINUTE?		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR ? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK??? OR
IDENTI-		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
DE-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
S6	90554	SIR??? OR EXPIR? OR DETERMIN?)
WEBCAST?		MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
STREA-		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
PAY()		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-		

IEW??? ?

S7 22610 S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-
K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)

S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-
OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)

S9 341 S7:S8(7N) (FEE OR FEES OR CHARG??? OR PAYMENT? OR
REMUNERAT?
OR COST??? OR PRICE? OR PRICING? OR DEBT? OR LICENS? OR
DIST-
RIBUT?()RIGHT? ?)

S10 15713 S2(100N)S5
S11 132 S10 AND S9
S12 10 S6(50N)S2(50N)S5(50N)S9
S13 3 S12 NOT (AD>1999 OR AD=2000:2006)
S14 122 S11 NOT S12
S15 39 S14 NOT (AD>1999 OR AD=2000:2006)
S16 17 S6(100N)S9
S17 12 S16 AND S6(50N)S9
S18 5 S17 NOT (AD>1999 OR AD=2000:2006)
S19 17 S12:S13 OR S17:S18
S20 35 S15 NOT S19
S21 35 IDPAT (sorted in duplicate/non-duplicate order)
S22 11 S20 AND S10(50N)S9
? delete s9-s22
Set 9 has been deleted
Set 10 has been deleted
Set 11 has been deleted
Set 12 has been deleted
Set 13 has been deleted
Set 14 has been deleted
Set 15 has been deleted
Set 16 has been deleted
Set 17 has been deleted
Set 18 has been deleted
Set 19 has been deleted
Set 20 has been deleted
Set 21 has been deleted
Set 22 has been deleted
? ds

Set Items Description
S1 2788927 SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -
APPLICATION? OR APP? ?

S2 127518 S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -
OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-
NCOD??? OR ENCRYPT? OR INHIBIT?)

S3 33832 S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-
PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-
EMENT?)

S4 1907722 TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?

OR E-
 VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
 MINUTE?
 ? OR SECOND? ? OR PERIOD?
 S5 817420 S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???)
 OR
 CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
 IDENTI-
 FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
 DE-
 SIR??? OR EXPIR? OR DETERMIN?)
 S6 90554 MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
 WEBCAST?
 OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
 STREA-
 M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
 PAY()PER()V-
 IEW??? ?
 S7 22610 S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
 LIN-
 K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
 S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
 CORRESP-
 OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
 ? s s7:s8(7n) (bill??? ? or fee or fees or charg??? or payment? or
 remunerat? or cost??? or price? or pricing? or debt? or licens? or
 distribut?()right? ?)
 28035 S7:S8
 79758 BILL??? ?
 17850 FEE
 10976 FEES
 462105 CHARG???
 27967 PAYMENT?
 546 REMUNERAT?
 538428 COST???
 59383 PRICE?
 7371 PRICING?
 1883 DEBT?
 27873 LICENS?
 552155 DISTRIBUT?
 664240 RIGHT? ?
 263 DISTRIBUT?(W)RIGHT? ?
 S9 382 S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
 PAYMENT? OR REMUNERAT? OR COST??? OR PRICE? OR
 PRICING?
 OR DEBT? OR LICENS? OR DISTRIBUT?()RIGHT? ?)
 ?
 ? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR RESTRICT? - OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?

OR E-

NCOD??? OR ENCRYPT? OR INHIBIT?)
 S3 33832 S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
 AP-
 PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
 IMPL-
 EMENT?)
 S4 1907722 TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
 OR E-
 VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
 MINUTE?
 ? OR SECOND? ? OR PERIOD?
 S5 817420 S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
 OR
 CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
 IDENTI-
 FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
 DE-
 SIR??? OR EXPIR? OR DETERMIN?)
 S6 90554 MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
 WEBCAST?
 OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
 STREA-
 M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
 PAY()PER()V-
 IEW??? ?
 S7 22610 S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
 LIN-
 K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
 S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
 CORRESP-
 OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
 S9 382 S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
 PAYMENT?
 OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
 LI-
 CENS? OR DISTRIBUT?()RIGHT? ?)
 ? s s10(100n)s5
 >>>"S10" does not exist
 0 S10
 817420 S5
 S10 0 S10(100N)S5
 ? delete s10
 Set 10 has been deleted
 ? s s2(100n)s5
 Processing
 Processing
 Processing
 127518 S2
 817420 S5
 S10 15713 S2(100N)S5
 ? s s10(50n)s9
 15713 S10
 382 S9
 S11 63 S10(50N)S9
 ?
 ? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK??? OR
OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-		IEW??? ?
S7	22610	S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-		K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
S8	8788	S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-		OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9	382	S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
PAYMENT?		OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
LI-		CENS? OR DISTRIBUT?()RIGHT? ?)
S10	15713	S2(100N)S5
S11	63	S10(50N)S9
? s s6(100n)s9		
	90554	S6
	382	S9
S12	28	S6(100N)S9
? s s6(50n)s9		
	90554	S6
	382	S9
S13	20	S6(50N)S9
? s s13 not (ad>1999 or ad=2000:2006)		
>>>File 348 processing for AD=1999 : AD=		
>>> started at AD=000000 stopped at AD=040415		

>>>File 348 processing for AD=2000 : AD=2006
>>> started at AD=00 stopped at AD=050413
Processing
Processing
Processing
Processing
>>>File 349 processing for AD=1999 : AD=|
>>> started at AD=19990101 stopped at AD=20040623
>>>File 349 processing for AD=2000 : AD=2006
>>> started at AD=20000101 stopped at AD=20050623
Processing

20 S13
1633051 AD>1999
1499807 AD=2000 : AD=2006
S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
? t 14/3,k/all

14/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01930027

Secure transaction management

Verfahren und Vorrichtung zur gesicherten Transaktionsverwaltung

Procede et dispositif de gestion de transactions securisees

PATENT ASSIGNEE:

Intertrust Technologies Corp., (2434323), 955 Stewart Drive,
Sunnyvale,

CA 94085, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, MD 20705, (US)
Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, CA 94530, (US)
Shear, Victor H., 5203 Battery Lane, Bethesda, MD 20814, (US)
Van Wie, David M., 51430 Williamette Street, 6, Eugene, OR 97401,
(US)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis (28273), BERESFORD & Co. 16 High
Holborn,

London WC1V 6BX, (GB)

PATENT (CC, No, Kind, Date): EP 1555591 A2 050720 (Basic)
EP 1555591 A3 051123

APPLICATION (CC, No, Date): EP 2005075672 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS (V7): G06F-001/00; G06F-017/60

ABSTRACT WORD COUNT: 147

NOTE:

Figure number on first page: 23

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count

CLAIMS A (English)	200529	1002
SPEC A (English)	200529	194028
Total word count - document A		195030
Total word count - document B		0
Total word count - documents A + B		195030

...SPECIFICATION 500 may also be integrated with devices other than CPUs.

For example, for video and **multimedia applications**, some performance and/or security advantages (**depending** on overall design) could result from integrating an SPU 500 into a video controller chip...into/with an electronic appliance operating system, it would be possible to provide certain VDE **functionality** available as an **application** running on a conventional operating system.

ROS Software Architecture

Figure 10 is a **block** diagram of one example of a **software** structure/architecture for Rights Operating System ("ROS") 602 provided by the preferred embodiment. In this...

14/3,K/2 (Item 2 from file: 348)
 DIALOG(R) File 348:EUROPEAN PATENTS
 (c) 2006 European Patent Office. All rts. reserv.

01888484

Systems and methods for secure transaction management and electronic rights

protection
Systeme und Verfahren zur gesicherten Transaktionsverwaltung und

elektronischem Rechtsschutz
Systemes et procedes de gestion de transactions securisees et de
protection
de droits electroniques

PATENT ASSIGNEE:

ELECTRONIC PUBLISHING RESOURCES, INC., (976840), 460 Oakmead Parkway, Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, Maryland 20705, (US)
 Shear, Victor H., 5203 Battery Lane, Bethesda, Maryland 20814, (US)
 Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, California 94530, (US)

Van Wie, David M., 1780 East 25th Avenue, Eugene, OR 97403, (US)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane, London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1526472 A2 050427 (Basic)

APPLICATION (CC, No, Date): EP 2004078254 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;

MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS (V7): G06F-017/60; G06F-009/46

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 75

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200517	355
SPEC A	(English)	200517	167222
Total word count - document A			167577
Total word count - document B			0
Total word count - documents A + B			167577

...SPECIFICATION 500 may also be integrated with devices other than CPUs.

For example, for video and **multimedia applications**, some performance

and/or security advantages (**depending** on overall design) could result

from integrating an SPU 500 into a video controller chip...into/with an

electronic appliance operating system, it would be possible to provide

certain VDE **functionality** available as an **application** running on a

conventional operating system.

ROS **Software** Architecture

Figure 10 is a **block** diagram of one example of a **software** structure/architecture for Rights Operating System ("ROS") 602 provided

by the preferred embodiment. In this...

14/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01869029

Systems and methods for secure transaction management and electronic rights

protection

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und

elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection

de droits electroniques

PATENT ASSIGNEE:

ELECTRONIC PUBLISHING RESOURCES, INC., (976840), 460 Oakmead Parkway,
Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, Maryland 20705, (US)
Shear, Victor H., 5203 Battery Lane, Bethesda, Maryland 20814, (US)
Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, California 94530,
(US)

Van Wie, David M., 1250 Lakeside Drive, Sunnyvale, California 94086,
(US)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane,
London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1515216 A2 050316 (Basic)
EP 1515216 A3 050323

APPLICATION (CC, No, Date): EP 2004078194 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS (V7): G06F-001/00; G06F-017/60

ABSTRACT WORD COUNT: 144

NOTE:

Figure number on first page: 75C

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200511	276
SPEC A	(English)	200511	167210
Total word count - document A			167486
Total word count - document B			0
Total word count - documents A + B			167486

...SPECIFICATION 500 may also be integrated with devices other than
CPUs.

For example, for video and **multimedia applications**, some
performance

and/or security advantages (**depending** on overall design) could
result

from integrating an SPU 500 into a video controller chip...

14/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

00963790

**A DECODING APPARATUS AND METHOD FOR PROCESSING AND STORING ENCRYPTED
VIDEO**

DATA

VERFAHREN UND GERAT ZUR DEKODIERUNG UND SPEICHERUNG

VERSCHLUSSELTER

VIDEODATEN

**APPAREIL ET PROCEDE DE DECODAGE UTILISES DANS LE TRAITEMENT ET LE
STOCKAGE**

DE DONNEES VIDEO CRYPTÉES

PATENT ASSIGNEE:

Thomson Multimedia Inc., (4150292), 10330 North Meridian St.,
Indianapolis, IN 46290-1024, (US), (Proprietor designated states:
all)

INVENTOR:

BLATTER, Harold, 2220 Brewster Road, Indianapolis, IN 46260, (US)
HORLANDER, Thomas, Edward, 6234 Haverford Avenue, Indianapolis, IN
46220,

(US)

BRIDGEWATER, Kevin, Elliott, 290 South Muessing Road, Indianapolis,
IN

46229, (US)

DEISS, Michael, Scott, 1103 Indian Pipe Lane, Zionsville, IN 46077,
(US)

LEGAL REPRESENTATIVE:

Ruellan-Lemonnier, Brigitte et al (47342), THOMSON multimedia, 46
quai A.

Le Gallo, 92648 Boulogne Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 941611 A1 990915 (Basic)

EP 941611 B1 031210

WO 98024237 980604

APPLICATION (CC, No, Date): EP 97949340 971028; WO 97US19375 971028

PRIORITY (CC, No, Date): US 762488 961127

DESIGNATED STATES: DE; ES; FR; GB; IE; IT

INTERNATIONAL PATENT CLASS (V7): H04N-007/167

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200350	496
CLAIMS B	(German)	200350	467
CLAIMS B	(French)	200350	602
SPEC B	(English)	200350	7934
Total word count - document A			0
Total word count - document B			9499
Total word count - documents A + B			9499

...SPECIFICATION user entitlement information that is transmitted from
the

remote location, as in a cable television **pay - per - view** service.
The

entitlement information typically includes codes used to generate
descrambling and decryption keys that...

...and decryption. However, the entitlement information may instead
include

the keys themselves.

The processing of **encrypted** and non- **encrypted** **program** data
and

the management of **associated** encryption and scrambling codes for
storage, **billing** and other applications presents a number of
problems.

One problem is presented by the need...

14/3,K/5 (Item 5 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

00963789

**METHOD OF PROCESSING ENCRYPTED VIDEO DATA FOR GENERATING DECRYPTED
PROGRAM**

DATA
**VERFAHREN ZUM VERARBEITEN EINES VERSCHLUSSELTEN VIDEOSIGNALS ZUR
ERZEUGUNG**
EINES ENTSCHLUSSELTEN PROGRAMMSIGNALS
**PROCEDE DE TRAITEMENT DE DONNEES VIDEO CHIFFREES POUR GENERER DES
DONNEES**

DE PROGRAMME DECHIFFREES
PATENT ASSIGNEE:
THOMSON CONSUMER ELECTRONICS, INC., (1066932), 10330 North Meridian
St,
Indianapolis, IN 46290-1024, (US), (Proprietor designated states:
all)

INVENTOR:
BLATTER, Harold, 2220 Brewster Road, Indianapolis, IN 46260, (US)
HORLANDER, Thomas, Edward, 6234 Haverford Avenue, Indianapolis, IN
46220,
(US)

BRIDGEWATER, Kevin, Elliott, 290 South Muessing Road, Indianapolis,
IN
46229, (US)

DEISS, Michael, Scott, 1103 Indian Pipe Lane, Zionsville, IN 46077,
(US)

LEGAL REPRESENTATIVE:
Ruellan-Lemonnier, Brigitte (47345), THOMSON multimedia, Licensing
and

Intellectual Property, 46 Quai Alphonse Le Gallo, 92100 Boulogne
Billancourt, (FR)

PATENT (CC, No, Kind, Date): EP 941610 A1 990915 (Basic)
EP 941610 B1 030102
WO 98024236 980604

APPLICATION (CC, No, Date): EP 97949339 971028; WO 97US19374 971028

PRIORITY (CC, No, Date): US 762483 961127

DESIGNATED STATES: DE; ES; FR; GB; IE; IT

INTERNATIONAL PATENT CLASS (V7): H04N-007/167; H04N-007/16

NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200301	549
CLAIMS B	(German)	200301	503
CLAIMS B	(French)	200301	964
SPEC B	(English)	200301	12515
Total word count - document A			0
Total word count - document B			14531
Total word count - documents A + B			14531

...SPECIFICATION user entitlement information that is transmitted from
the

remote location, as in a cable television **pay - per - view** service.
The entitlement information typically includes codes used to generate descrambling and decryption keys that...

...and decryption. However, the entitlement information may instead include

the keys themselves.

The processing of **encrypted** and non- **encrypted** **program** data and

the management of **associated** encryption and scrambling codes for storage, **billing** and other applications presents a number of problems.

One problem is presented by the need...

14/3,K/6 (Item 6 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

00804580

Multimedia server system and method for communicating multimedia

information

Multimediaserversystem und Verfahren zur Kommunikation von

Multimediainformation

Systeme de serveur multimedia et methode pour la communication

d'information multimedia

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), New Orchard Road,

Armonk, N.Y. 10504, (US), (Applicant designated States: all)

INVENTOR:

Ottesen, Hal Hjalmar, 4230 Stoneham Lane N.W., Rochester, Minnesota 55901

, (US)

Smith, Gordon James, 5321 Countrycreek Court S.E., Rochester, Minnesota

55904, (US)

VanLeeuwen, George Willard, 2737 59th Street N.W., Rochester, Minnesota

55901, (US)

LEGAL REPRESENTATIVE:

de Pena, Alain (15151), Compagnie IBM France Departement de la Propriete

Intellectuelle, 06610 La Gaude, (FR)

PATENT (CC, No, Kind, Date): EP 748123 A2 961211 (Basic)

EP 748123 A3 051221

APPLICATION (CC, No, Date): EP 96480075 960531;

PRIORITY (CC, No, Date): US 472506 950607

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04N-007/173 ; G04F-003/06

ABSTRACT WORD COUNT: 234

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	711
SPEC A	(English)	EPAB96	25074
Total word count - document A			25785
Total word count - document B			0
Total word count - documents A + B			25785

...SPECIFICATION 38 to accommodate a particular set-top control system's
unique configuration and presentation control **functionality** .
Generally, the process of **encoding** a **multimedia** program requires
significantly greater processing resources and a **correspondingly**
greater processing **cost** as compared to decoding operations.
Pre-processing or encoding **multimedia** programs in a manner amenable to
such standardized set-top control system 62 disproportionately shifts
the processing overhead to the **multimedia** server 30, as well as the
concomitant processing costs which can be shared by the...

14/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

00804579

Multimedia control system and method for controlling multimedia program

presentation

Multimediasteuerungssystem und Verfahren zum Steuern von

Multimediaprogrammdarstellung

Systeme de controle multimedia et methode pour le controle de la

presentation de programmes multimedia

PATENT ASSIGNEE:

EchoStar Technologies Corporation, (7381800), 90 Inverness Circle East,

Englewood CO 80112, (US), (Applicant designated States: all)

INVENTOR:

Ottesen, Hal Hjalmar, 4230 Stoneham Lane N.W., Rochester,Minnesota 55901,

(US)

Smith, Gordon James, 5321 Countrycreek Court S.E., Rochester,Minnesota

55904, (US)

Vanleeuwen, George Willard, 2737 59th Street N.W., Rochester,Minnesota

55901, (US)

LEGAL REPRESENTATIVE:

Critten, Matthew Peter et al (94771), Abel & Imray, 20 Red Lion

Street,

London, WC1R 4PQ, (GB)
PATENT (CC, No, Kind, Date): EP 748122 A2 961211 (Basic)
EP 748122 A3 060607

APPLICATION (CC, No, Date): EP 96480074 960531;

PRIORITY (CC, No, Date): US 473315 950607

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04N-007/173; G06F-003/06;

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G11B-0020/12 A I F B 20060101 20060420 H EP

G11B-0027/10 A I L B 20060101 20060420 H EP

ABSTRACT WORD COUNT: 199

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	EPAB96	970
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SPEC A	(English)	EPAB96	25173
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Total word count - document A	26147
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Total word count - document B	0
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Total word count - documents A + B	26147
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...SPECIFICATION 38 to accommodate a particular set-top control system's

unique configuration and presentation control **functionality** .

Generally, the process of **encoding a multimedia program** requires

significantly greater processing resources and a **correspondingly** greater processing **cost** as compared to decoding operations.

Pre-processing or encoding **multimedia** programs in a manner amenable to

such standardized set-top control system 62 disproportionately shifts

the processing overhead to the **multimedia** server 30, as well as the

concomitant processing costs which can be shared by the...

14/3,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

00804574

Multimedia direct access storage device and formatting method

Speichereinheit mit direktem Zugriff fur Multimedia und

Formatierungsverfahren

Dispositif de stockage a acces direct et methode de formatage

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), New Orchard Road,

Armonk, N.Y. 10504, (US), (Applicant designated States: all)

INVENTOR:

Ottesen, Hal Hjalmar, 4230 Stoneham Lane N.W., Rochester,Minnesota

55901,
(US)
Smith, Gordon James, 5321 Countercreek Court S.E., Rochester, Minnesota
55904, (US)
Vanleeuwen, George Willard, 2737 59th Street N.W.,
Rochester, Minnesota
55901, (US)

LEGAL REPRESENTATIVE:

de Pena, Alain et al (15151), Compagnie IBM France Departement de la
Propriete Intellectuelle, 06610 La Gaude, (FR)
PATENT (CC, No, Kind, Date): EP 748121 A2 961211 (Basic)
EP 748121 A3 060222

APPLICATION (CC, No, Date): EP 96480069 960531;

PRIORITY (CC, No, Date): US 478328 950607

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04N-007/173; G06F-003/06;

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04N-0007/173 A I F B 20060101 19960917 H EP

G06F-0003/06 A I L B 20060101 19960917 H EP

ABSTRACT WORD COUNT: 210

NOTE:

Figure number on first page: 3

LANGUAGE (Publication, Procedural, Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1318
SPEC A	(English)	EPAB96	25225
Total word count - document A			26548
Total word count - document B			0
Total word count - documents A + B			26548

...SPECIFICATION 38 to accommodate a particular set-top control
system's

unique configuration and presentation control **functionality** .

Generally, the process of **encoding** a **multimedia** program
requires

significantly greater processing resources and a **correspondingly**
greater processing **cost** as compared to decoding operations.

Pre-processing or encoding **multimedia** programs in a manner
amenable to

such standardized set-top control system 62 disproportionately
shifts

the processing overhead to the **multimedia** server 30, as well as
the

concomitant processing costs which can be shared by the...

14/3,K/9 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2006 WIPO/Univentio. All rts. reserv.

00433773 **Image available**

A DECODING APPARATUS/METHOD AND DATA FORMAT FOR PROCESSING AND
STORING

ENCRYPTED VIDEO DATA
APPAREIL/PROCEDE DE DECODAGE ET FORMAT DE DONNEES UTILISES DANS
LE

TRAITEMENT ET LE STOCKAGE DE DONNEES VIDEO CODEES

Patent Applicant/Assignee:

THOMSON CONSUMER ELECTRONICS INC,

Inventor(s):

BLATTER Harold,

HORLANDER Thomas Edward,

BRIDGEWATER Kevin Elliott,

DEISS Michael Scott,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9824237 A1 19980604

Application: WO 97US19375 19971028 (PCT/WO US9719375)

Priority Application: US 96762488 19961127

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH
HU

ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO
NZ

PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW
SD

SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
IT

LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9255

Fulltext Availability:

Detailed Description

Detailed Description

... user

entitlement information that is transmitted from the remote location, as in a cable television **pay - per - view** service. The entitlement information typically includes codes used to generate descrambling and decryption keys that...

...and decryption. However, the entitlement information may instead include the keys themselves.

The processing of **encrypted** and non- **encrypted** **program** data and the management of **associated** encryption and scrambling codes for storage, **billing** and other applications presents a number of problems. One problem is presented by the 1...

14/3,K/10 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2006 WIPO/Univentio. All rts. reserv.

00433772 **Image available**

METHOD OF PROCESSING ENCRYPTED VIDEO DATA FOR GENERATING DECRYPTED PROGRAM

DATA

PROCEDE DE TRAITEMENT DE DONNEES VIDEO CHIFFREES POUR GENERER DES DONNEES

DE PROGRAMME DECHIFFREES

Patent Applicant/Assignee:

THOMSON CONSUMER ELECTRONICS INC,

Inventor(s):

BLATTER Harold,

HORLANDER Thomas Edward,

BRIDGEWATER Kevin Elliott,

DEISS Michael Scott,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9824236 A1 19980604

Application: WO 97US19374 19971028 (PCT/WO US9719374)

Priority Application: US 96762483 19961127

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU

ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ

PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD

SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT

LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 8889

Fulltext Availability:

Detailed Description

Detailed Description

... user

entitlement information that is transmitted from the remote location, as in a cable television **pay - per - view** service. The entitlement information typically includes codes used to generate descrambling and decryption keys that...

...and decryption. However, the entitlement information may instead include the keys themselves.

The processing of **encrypted** and non- **encrypted** **program** data and the management of **associated** encryption and scrambling codes for storage, **billing** and other applications presents a number of problems. One problem is presented by the need...

14/3,K/11 (Item 3 from file: 349).

DIALOG(R)File 349:PCT FULLTEXT

(c) 2006 WIPO/Univentio. All rts. reserv.

00405273 **Image available**

AN ADAPTIVE DECODING SYSTEM FOR PROCESSING ENCRYPTED AND NON-ENCRYPTED

VIDEO DATA
SYSTEME ADAPTATIF DE DECODAGE POUR LE TRAITEMENT DE DONNEES VIDEO
CRYPTTEES

OU NON CRYPTTEES

Patent Applicant/Assignee:

THOMSON CONSUMER ELECTRONICS INC,

Inventor(s):

BLATTER Harold,

HORLANDER Thomas Edward,

BRIDGEWATER Kevin Elliott,

DEISS Michael Scott,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9746017 A1 19971204

Application: WO 97US8876 19970522 (PCT/WO US9708876)

Priority Application: US 9618722 19960531; US 96761517 19961127

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU

IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL

PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU GH KE LS MW SD SZ UG

AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL

PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 8809

Fulltext Availability:

Detailed Description

Detailed Description

... user

entitlement information that is transmitted from the remote location, as in a cable television **pay - per - view** service. The entitlement information typically includes codes used to generate descrambling and decryption keys that...

...and decryption. However, the entitlement information may instead include the keys themselves.

The processing of **encrypted** and non- **encrypted** **program** data and the management of **associated** encryption and scrambling codes for storage, **billing** and other applications 1 0 presents a number of problems. One problem is presented by...

? ds

Set	Items	Description
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S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		

APPLICATION? OR APP? ?

S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR RESTRICT? -
----	--------	--

OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?

OR E-

NCOD??? OR ENCRYPT? OR INHIBIT?)

S3 33832 S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-
PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-
EMENT?)

S4 1907722 TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-
VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?
? OR SECOND? ? OR PERIOD?

S5 817420 S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR
CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-
FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-
SIR??? OR EXPIR? OR DETERMIN?)

S6 90554 MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?
OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-
M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-
IEW??? ?

S7 22610 S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-
K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)

S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-
OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)

S9 382 S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
PAYMENT?
OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
LI-
CENS? OR DISTRIBUT?()RIGHT? ?)

S10 15713 S2(100N)S5
S11 63 S10(50N)S9
S12 28 S6(100N)S9
S13 20 S6(50N)S9
S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
? s s11 not s13
63 S11
20 S13
S15 54 S11 NOT S13
? s s15 not (ad>1999 or ad=2000:2006)
>>>File 348 processing for AD=1999 : AD=|
>>> started at AD=000000 stopped at AD=040415
>>>File 348 processing for AD=2000 : AD=2006
>>> started at AD=00 stopped at AD=050413
Processing
>>>File 349 processing for AD=1999 : AD=|
>>> started at AD=19990101 stopped at AD=20040623
>>>File 349 processing for AD=2000 : AD=2006
>>> started at AD=20000101 stopped at AD=20050623
54 S15
1633051 AD>1999

1499807 AD=2000 : AD=2006
 S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
 ? idpat
 ...completed examining records
 S17 17 IDPAT (sorted in duplicate/non-duplicate order)

Summary:

S17 has 17 records ordered as follows:
 3 patent groups (records 1-7)
 10 patent records without duplicates (records 8-17)

Group Table:

Groups	Total in Group	Primary Records	Record Numbers	Duplicates	Record Numbers
G1	3	F348	1-3		
G2	2	F348	4-5		
G3	2	F348	6	F349	7

1. Show Group Table
2. Show Summary
3. Quit
4. TYPE or PRINT Selected Records
5. TYPE or PRINT Primary and Non-Duplicate Records

Enter an option (e.g., 4).

? 4

Press ENTER to TYPE records or enter PR to PRINT records via e-mail,
 fax,
 or postal delivery.

?

Enter format number or two-character display tag(s) (e.g., TI, PA) or
 enter Q to return to command mode.

? q

Exiting IDPAT.

? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???)

OR
 IDENTI- CHOOSE? OR PREDETERMIN? OR PRE() DETERMIN? OR CHOSEN OR
 DE- FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
 SIR??? OR EXPIR? OR DETERMIN?)
 S6 90554 MULTIMEDIA OR MULTI() MEDIA OR STREAM???() VIDEO? OR
 WEBCAST?
 OR BROADCAST? OR MEDIA() SESSION? OR VIDEO(2N) DEMAND OR
 STREA-
 M???() MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
 PAY() PER() V-
 IEW??? ?
 S7 22610 S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
 LIN-
 K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
 S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
 CORRESP-
 OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
 S9 382 S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
 PAYMENT?
 OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
 LI-
 CENS? OR DISTRIBUT?() RIGHT? ?)
 S10 15713 S2(100N) S5
 S11 63 S10(50N) S9
 S12 28 S6(100N) S9
 S13 20 S6(50N) S9
 S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
 S15 54 S11 NOT S13
 S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
 S17 17 IDPAT (sorted in duplicate/non-duplicate order)
 ? t 17/3,k/all

17/3,K/1 (Item 1 from file: 348)
 DIALOG(R) File 348:EUROPEAN PATENTS
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02059858

Systems and methods for secure transaction management and electronic rights

protection

System und Verfahren für sichere Transaktionsverwaltung und elektronischen

Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection

des droits electroniques

PATENT ASSIGNEE:

Intertrust Technologies Corporation, (7330020), 955 Stewart Drive,
 Sunnyvale, CA 94085-3913, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, MD 20705, (US)
 Shear, Victor H., 5203 Battery Lane, Bethesda, MD 20814, (US)
 Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, CA 94530, (US)
 Van Wie, David M., 1250 Lakeside Drive, Sunnyvale, CA 94086, (US)

LEGAL REPRESENTATIVE:

Garner, Jonathan Charles Stapleton et al (9222071), FJ Cleveland 40-43

Chancery Lane, London WC2A 1JQ, (GB)
PATENT (CC, No, Kind, Date): EP 1662418 A2 060531 (Basic)
APPLICATION (CC, No, Date): EP 2006075503 960213;
PRIORITY (CC, No, Date): US 388107 950213
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;

NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; SI
RELATED PARENT NUMBER(S) - PN (AN):
EP 861461 (EP 96922371)
INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):
IPC + Level Value Position Status Version Action Source Office:
G06F-0021/00 A I F B 20060101 20060407 H EP
ABSTRACT WORD COUNT: 165
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200622	302
SPEC A	(English)	200622	193789
Total word count - document A			194091
Total word count - document B			0
Total word count - documents A + B			194091

...SPECIFICATION might further require certain one or more load modules
execute as processes at an appropriate **time** to ensure that such
credit
will be used in order to pay for user use...

...copies made for distribution to employees of a given software
program (a
portion of the **program** might be maintained in **encrypted** form and
require the presence of a VDE installation to run). This would
require
the...of a certain database and 2 U.S. Dollars or 3 German Marks may
be
charged for each record of said database decrypted (**depending** on
user
selected currency). Such usage can be metered while an additional
audit
for user profile purposes can be prepared recording the identity of
each
filed displayed. Additionally, further metering can be conducted
regarding the number of said database bytes that...in addition to
other
requirements (if any) that they use to form their design approach,
specifications , and actual implementations. This approach could lead
to
a "seamless" integration of VDE functions and...

...system design and implementation.

The second approach would involve taking an existing set of API (

Application Programmer Interface) functions , and incorporating references in the operating system code to VDE function calls. This is similar...

17/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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02038564

Secure transaction management
Sicheres Transaktionsmanagement
Gestion de transactions securisees

PATENT ASSIGNEE:

Intertrust Technologies Corp., (2434323), 955 Stewart Drive,
Sunnyvale,

CA 94085, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, MD 20705, (US)

Shear, Victor H., 5203 Battery Lane, Bethesda, MD 20814, (US)

Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, CA 94530, (US)

Van Wie, David M., 51430 Willamette Street 6, Eugene, OR 97401, (US)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis (28273), BERESFORD & Co. 16 High
Holborn,

London WC1V 6BX, (GB)

PATENT (CC, No, Kind, Date): EP 1643340 A2 060405 (Basic)

EP 1643340 A3 060531

APPLICATION (CC, No, Date): EP 2005077923 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0001/00 A I F B 20060101 20060213 H EP

ABSTRACT WORD COUNT: 147

NOTE:

Figure number on first page: 5b

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200614	2171
SPEC A	(English)	200614	193720
Total word count - document A			195924
Total word count - document B			0
Total word count - documents A + B			195924

...SPECIFICATION might further require certain one or more load modules execute as processes at an appropriate time to ensure that such credit

will be used in order to pay for user use...

...copies made for distribution to employees of a given software program (a portion of the **program** might be maintained in **encrypted** form and require the presence of a VDE installation to run). This would require the...of a certain database and 2 U.S. Dollars or 3 German Marks may be **charged** for each record of said database decrypted (**depending** on user selected currency). Such usage can be metered while an additional audit for user profile purposes can be prepared recording the identity of each **filed** displayed. Additionally, further metering can be conducted regarding the number of said database bytes that...RAM, ROM and secondary storage devices, and to provide commonly used functions for use by **programmers** , a piece of **software** called an "operating system" is usually included with the other components. Typically, this piece of **software** is designed to begin executing after power is applied to the computer system and hardware...

...the CPU, main memory and secondary memory devices is normally managed by this "operating system" **software** . Most computer operating systems also typically include a mechanism for extending their management functions to ...

...implementation.

The second approach would involve taking an existing set of API (Application Programmer Interface) **functions** , and incorporating references in the operating system **code** to VDE **function** calls. This is similar to the way that the current Windows operating system is integrated...

17/3,K/3 (Item 3 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01898247

Systems and methods for secure transaction management and electronic rights

protection

Systeme und Verfahren zur Verwaltung von gesicherten Transaktionen und zum

Schutz von elektronischen Rechten

Systemes et procedes pour gerer des transactions securisees et pour

proteger des droits electroniques

PATENT ASSIGNEE:

Intertrust Technologies Corp., (2434320), 460 Oakmead Parkway, Sunnyvale,

CA 94086-4708, (US), (Applicant designated States: all)

INVENTOR:
 Ginter, Karl L., 10404 43rd Avenue, Beltsville, Maryland 20705, (US)
 Shear, Victor H., 5203 Battery Lane, Bethesda, Maryland 20814, (US)
 Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, California 94530, (US)
 Van Wie, David M., 1250 Lakeside Drive, Sunnyvale, California 94086, (US)

LEGAL REPRESENTATIVE:
 Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane, London
 WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1531379 A2 050518 (Basic)
 EP 1531379 A3 060222

APPLICATION (CC, No, Date): EP 2004078195 960213;
 PRIORITY (CC, No, Date): US 388107 950213
 DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
 NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):
 EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS (V7): G06F-001/00; G06F-017/60
 INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):
 IPC + Level Value Position Status Version Action Source Office:
 G06F-0001/00 A I F B 20060101 20050315 H EP
 G06F-0017/60 A I L B 00000000 20050315 H EP

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 75

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200520	173
SPEC A	(English)	200520	167172
Total word count - document A			167372
Total word count - document B			0
Total word count - documents A + B			167372

...SPECIFICATION example, required load modules and data (e.g. in the form of a method) might **specify** that sufficient credit from an authorized source must be confirmed as available. It might further...

...copies made for distribution to employees of a given software program (a portion of the **program** might be maintained in **encrypted** form and require the presence of a VDE installation to run). This would require the...

17/3,K/4 (Item 4 from file: 348)
 DIALOG(R) File 348:EUROPEAN PATENTS
 (c) 2006 European Patent Office. All rts. reserv.

01796015

Mobile electronic commerce system
Mobiles elektronisches Handelssystem
Systeme de commerce electronique mobile

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD, (216884), 1006, Oaza-Kadoma,
Kadoma-shi, Osaka 571-0000, (JP), (Applicant designated States:
all)

INVENTOR:

Takayama, Hisashi, 5-6-12-104 Matsubara, Setagaya-ku Tokyo 156-0043,
(JP)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat
(100721)

, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1467300 A1 041013 (Basic)

APPLICATION (CC, No, Date): EP 2004015278 980813;

PRIORITY (CC, No, Date): JP 97230564 970813

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

EP 950968 (EP 98937807)

INTERNATIONAL PATENT CLASS (V7): G06F-017/60; H04Q-007/32; G07F-007/08

ABSTRACT WORD COUNT: 150

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200442	17631
SPEC A	(English)	200442	160348
Total word count - document A			177979
Total word count - document B			0
Total word count - documents A + B			177979

...SPECIFICATION the second electronic wallet; the second electronic
wallet

transmits, to the service providing means, the **payment** card
transfer

certificate message that is received; the service providing means
performs an examination to establish the validity of the **payment**
card

transfer certificate message that is received, and transmits, to the
second electronic wallet, the...

...in the payment card transfer certificate message; and the second
electronic wallet stores, in the **second** storage means thereof, the
electronic payment card that is received.

Therefore, the electronic payment card...by individual telephone
card
issuers.

According to the invention cited in claim 93, the template **program**
for the electronic telephone card includes:

a transaction module program for the electronic telephone card...

...ticket information describing the contents of the electronic ticket

when
issued; and
a ticket certificate **indicating** that the electronic ticket is
authentic. The ticket **program** includes:
electronic ticket state management information; and
ticket **program** data for specifying an operation to be performed
by
the electronic ticket. The digital signature...

...card can be performed safely.
According to the invention cited in claim 95, the ticket **program**
includes a ticket signature private key that is employed for a
digital
signature provided for...

17/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01030324
MOBILE ELECTRONIC COMMERCE SYSTEM
MOBILES ELEKTRONISCHES HANDELSSYSTEM
SYSTEME DE COMMERCE ELECTRONIQUE MOBILE
PATENT ASSIGNEE:
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD, (216884), 1006, Oaza-Kadoma,
Kadoma-shi, Osaka 571-0000, (JP), (Applicant designated States:
all)
INVENTOR:
TAKAYAMA, Hisashi, 5-6-12-104, Matsubara, Setagaya-ku, Tokyo 156-
0043,
(JP)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat
(100721)
, Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 950968 A1 991020 (Basic)
WO 9909502 990225
APPLICATION (CC, No, Date): EP 98937807 980813; WO 98JP3608 980813
PRIORITY (CC, No, Date): JP 97230564 970813
DESIGNATED STATES: DE; FR; GB
RELATED DIVISIONAL NUMBER(S) - PN (AN):
(EP 2004015278)
INTERNATIONAL PATENT CLASS (V7): G06F-017/60
ABSTRACT WORD COUNT: 150
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English;
Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9942	17239
SPEC A	(English)	9942	160346
Total word count - document A			177585
Total word count - document B			0
Total word count - documents A + B			177585

...SPECIFICATION the second electronic wallet; the second electronic wallet

transmits, to the service providing means, the **payment** card transfer

certificate message that is received; the service providing means performs an examination to...

...electronic payment card that is described in the payment card transfer

certificate message; and the **second** electronic wallet stores, in the

second storage means thereof, the electronic payment card that is received.

Therefore, the electronic payment card...by individual telephone card issuers.

According to the invention cited in claim 86, the template **program** for the electronic telephone card includes:

a transaction module program for the electronic telephone card...

...when issued; and

a ticket certificate indicating that the electronic ticket is authentic. The ticket **program** includes:

electronic ticket state management information; and

ticket **program** data for specifying an operation to be performed by the electronic ticket. The digital signature...

...card can be performed safely.

According to the invention cited in claim 88, the ticket **program** includes a ticket signature private key that is employed for a digital

signature provided for...

17/3,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00616346

METHOD AND APPARATUS FOR MONITORING BATTERY CAPACITY WITH CHARGE CONTROL

VERFAHREN UND VORRICHTUNG ZUR UBERWACHUNG DER BATTERIEKAPAZITAT MIT

LADUNGSREGELUNG

PROCEDE ET APPAREIL DE CONTROLE DE LA CAPACITE D'UNE BATTERIE AVEC

REGULATION DE LA CHARGE

PATENT ASSIGNEE:

BENCHMARK MICROELECTRONICS, INC., (1754630), 2611 Westgrove, Suite 109,,

Carrollton, TX 75006, (US), (Proprietor designated states: all)

INVENTOR:

LANDAU, John, Edward, 122 Pollard Road, Mountain Lakes New Jersey 07046,

(US)

MATTHEWS, Wallace, Edward, 2300 Windsor, Richardson, TX 75082, (US)
 FREEMAN, David, Louis, 3829 Matterhorn, Plano, TX 75075, (US)
 LEGAL REPRESENTATIVE:
 Lawrence, Malcolm Graham (47878), Hepworth, Lawrence, Bryer & Bizley
 Merlin House Falconry Court Baker's Lane, Epping Essex CM16 5DQ,
 (GB)
 PATENT (CC, No, Kind, Date): EP 627134 A1 941207 (Basic)
 EP 627134 B1 991006
 WO 9401914 940120
 APPLICATION (CC, No, Date): EP 93917081 930708; WO 93US6495 930708
 PRIORITY (CC, No, Date): US 910688 920708
 DESIGNATED STATES: DE; ES; FR; GB; IT; NL; SE
 INTERNATIONAL PATENT CLASS (V7): H02J-007/10; G01R-031/36
 NOTE:

No A-document published by EPO
 LANGUAGE (Publication,Procedural,Application): English; English;
 English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9940	1593
CLAIMS B	(German)	9940	1475
CLAIMS B	(French)	9940	1835
SPEC B	(English)	9940	12449
Total word count - document A			0
Total word count - document B			17352
Total word count - documents A + B			17352

...SPECIFICATION be as illustrated in Table 2.

If the temperature is within the appropriate range, the **program** flows from decision block 390 along the "N" path to a decision block 392 to...

...a pulse is to be generated and the program flows along the "Y" path to **function block** 394 to reset the **software** counter for the trickle **charge** equal to a predetermined time TRTIME.. The **program** then flows to the **function block** 376 to activate the **charging** operation. The TRTIME value is set such that it takes fifteen cycles to reset the...

...hereinbelow.

If the temperature had exceeded the range set by the temperature threshold TCO, the **program** would flow from the decision **block** 390 to the **function block** 382 to inactivate the **charging** operation. Therefore, it can be seen that if either the secondary battery voltage or the...

17/3,K/7 (Item 7 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
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00253760
 METHOD AND APPARATUS FOR MONITORING BATTERY CAPACITY WITH CHARGE

CONTROL

PROCEDE ET APPAREIL DE CONTROLE DE LA CAPACITE D'UNE BATTERIE AVEC

REGULATION DE LA CHARGE

Patent Applicant/Assignee:

BENCHMARK MICROELECTRONICS INC,

Inventor(s):

LANDAU John Edward,

MATTHEWS Wallace Edward,

FREEMAN David Louis,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9401914 A1 19940120

Application: WO 93US6495 19930708 (PCT/WO US9306495)

Priority Application: US 92910688 19920708

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 14786

Fulltext Availability:

Detailed Description

Detailed Description

... be as illustrated in Table 2.

If the temperature is within the appropriate range, the **program** flows

from decision block 390 along the "N" path to a decision block 392 to...

...a pulse is to be generated and the program flows along the "Y" path to

function block 394 to reset the **software** counter for the trickle **charge** equal to a predetermined time TRTRVIE.

The **program** then flows to the **function block** 376 to activate the

charging operation. The TRTIME value is set such that it takes fifteen

cycles to reset the...

...hereinbelow.

If the temperature had exceeded the range set by the temperature threshold TCO, the **program** would flow from the decision **block** 390 to

the **function block** 382 to inactivate the **charging** operation.

Therefore, it can be seen that if either the secondary battery voltage or the...

17/3,K/8 (Item 8 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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02018194

Secure transaction management
Gesicherte Transaktionsverwaltung
Gestion de transactions securisees

PATENT ASSIGNEE:

Intertrust Technologies Corp., (2434323), 955 Stewart Drive,
Sunnyvale,

CA 94085, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, MD 20705, (US)
Shear, Victor H., 5203 Battery Lane, Bethesda, MD 20814, (US)
Sibert, W. Olin, 30 Ingleside Road, Lexington, MA 02173-2522, (US)
Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, CA 94530, (US)
Van Wie, David M., 51430 Willamette Street, 6 Eugene, OR 97401, (US)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis (28273), BERESFORD & Co. 16 High
Holborn,

London WC1V 6BX, (GB)

PATENT (CC, No, Kind, Date): EP 1621960 A2 060201 (Basic)

APPLICATION (CC, No, Date): EP 2005076129 970829;

PRIORITY (CC, No, Date): US 706206 960830

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU;

MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 922248 (EP 97939670)

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0001/00 A I F B 20060101 20051208 H EP

ABSTRACT WORD COUNT: 51

NOTE:

Figure number on first page: 70

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200605	249
SPEC A	(English)	200605	180527
Total word count - document A			180776
Total word count - document B			0
Total word count - documents A + B			180776

...SPECIFICATION may introduce security (integrity and/or
confidentiality
of VDE secured information), process control, and/or **software**
compatibility problems. Certification validates the identity of VDE
installations and/or their components, as well...not lose its
contents

when power is turned off).

High-speed RAM 534a stores active **code** to be executed and
associated

data structures.

NVRAM 534b preferably contains certain keys and summary values that
are
preloaded as...

...generated private keys) needs to be loaded into or generated internally

by SPU 500 from **time** to **time** but, once loaded or generated internally, should never leave the SPU. In this preferred embodiment...

privileged mode is necessary to ensure that all its processor control functions can be effectively **disabled**.

The switch 2663 provides additional protection against tampering by ensuring that the expected control signals...

...Because the "partial SPU" initialization sequence is entirely deterministic, it is not feasible for malicious **software** to interfere

with it and still retain the same timing characteristics, even if malicious **software** is running in microprocessor 2652's most privileged mode.

Once in "SPU" mode, switch 2663...

...floppy disk drive, CD-ROM drive, tape reader, card reader, or "flash"

memory) organized to **reflect** named elements (a "file system") for storing images of main memory cells. Most computer systems also include

input/output...all retrieved components are validated. Each of the various component assemblies 690 so constructed are "**bound**" to the channel through the channel header event **code** /pointer records 598 and

by constructing appropriate swap blocks referenced by channel detail records 594...

...to respond to further events. As a last step, the Figure 15b process may, if **desired**, deallocate the "initialization" **event** task in order

to free up resources.

Once a channel 594 has been constructed in...

17/3,K/9 (Item 9 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00900498

RADIO CONTROLLED ENGINE KILL SWITCH

FUNKGESTEUERTE WEGFAHRSPERRE

COUPE-CIRCUIT RADIO-COMMANDE POUR MOTEUR

PATENT ASSIGNEE:

Murray, Steve, (2419010), 300 Panorama Drive, Earlysville, VA 22936, (US)

, (Proprietor designated states: all)

INVENTOR:

Murray, Steve, 300 Panorama Drive, Earlysville, VA 22936, (US)

LEGAL REPRESENTATIVE:

Petri, Stellan et al (23989), Strom & Gulliksson IPC AB, Box 4188, 203 13

Malmo, (SE)

PATENT (CC, No, Kind, Date): EP 892731 A1 990127 (Basic)
EP 892731 B1 031203
EP 892731 B9 041027
WO 97039924 971030
APPLICATION (CC, No, Date): EP 97921168 970424; WO 97US6120 970424
PRIORITY (CC, No, Date): US 16260 P 960424
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU;
MC; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): B63C-009/00; B60R-025/04
ABSTRACT WORD COUNT: 7459
NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200444	1263
CLAIMS B	(German)	200444	1111
CLAIMS B	(French)	200444	1679
SPEC B	(English)	200444	5854
Total word count - document A			0
Total word count - document B			9907
Total word count - documents A + B			9907

...SPECIFICATION entered via keypad, or other input devices 28. By
successfully entering the warning strobe 22 **deactivation code** ,
only
the signal warning strobe 22 would be deactivated. The switch within
the
receiver 14...

...open due to the loss of a transmitter signal and the engine would
remain
inoperable. An automatic reset for the **deactivation of the**
signal
warning strobe would take place when the receiver 14 recognizes the
transmitter 12 signal...

...as the strobe 22 and is preferably deactivated simultaneous with the
strobe 22.

In the **event** the operator **desires** to override the entire radio
controlled engine kill switch system 10, this would be
accomplished...

17/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00622871

Telephone call based on a dialed suffix.

Auf ein gewahltes Steuerzeichen bezogene Anrufsleitweglenkung.

Acheminement d'appel base sur une numerotation avec suffise.

PATENT ASSIGNEE:

AT&T Corp., (589373), 32 Avenue of the Americas, New York, NY 10013-
2412,

(US), (applicant designated states: DE;ES;FR;GB)
 INVENTOR:
 Furman, Daniel S., 36 Oakland Road, Maplewood, New Jersey 07040, (US)
 LEGAL REPRESENTATIVE:
 Harding, Richard Patrick et al (41294), Marks & Clerk, Alpha Tower,
 Suffolk Street Queensway, Birmingham B1 1TT, (GB)
 PATENT (CC, No, Kind, Date): EP 608613 A2 940803 (Basic)
 EP 608613 A3 950125
 APPLICATION (CC, No, Date): EP 93309765 931206;
 PRIORITY (CC, No, Date): US 998168 921229
 DESIGNATED STATES: DE; ES; FR; GB
 INTERNATIONAL PATENT CLASS (V7): H04Q-003/47; H04M-003/54;
 ABSTRACT WORD COUNT: 86

LANGUAGE (Publication,Procedural,Application): English; English;
 English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	315
SPEC A	(English)	EPABF2	4056
Total word count - document A			4371
Total word count - document B			0
Total word count - documents A + B			4371

...SPECIFICATION responsive to receipt of an incoming call via the
 aforementioned Group D trunk group. At **block** 400, the program
 proceeds

to block 401 where it enters a timed loop, e.g...

...the program proceeds to block 403. If it has not, then the program
 proceeds to **block** 410 where it enters a timed loop, e.g., 2
 seconds, to

wait for the possible receipt of the suffix **code** . The timed loop
 comprising the **block** 402 "no" path and the block 410 "no" path to
 block

402 operates similar to the timed loop implemented by blocks 401 and
 409.

If, at **block** 410, the **program** finds that the suffix wait period
 has

expired, then the **program** proceeds to **block** 411 where it passes
 the

call to a conventional call processing **program** and then exits.

At **block** 403, the **program** formats, inter alia, the received
 telephone number, associated suffix code and translation request into
 a

...

...line between blocks 403 and 404) and proceeds to block 404 upon
 receipt

thereof. At **block** 404, the **program** checks to see if the NCP
 response

is an error message and proceeds to block...

...case. Otherwise, the program proceeds to block 405 where it extracts
 the

translated telephone number **corresponding** with the received suffix.

At

block 406, the program creates a conventional billing record using the root, or received telephone number, translated telephone number, calling telephone number (i...

17/3,K/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00465579

Method and apparatus for determining and using program paging

characteristics to optimize system productive CPU time.
Verfahren und Vorrichtung zum Bestimmen und Verwenden von

Programmseitenverwaltungsmerkmalen zur Optimierung der produktiven

CPU-Zeit des Systems.
Procede et appareil de determination et d'utilisation de caracteristiques

de pagination de programme pour optimaliser le temps productif CPU du systeme.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,

Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:

Eilert, Catherine Krueger, 34 Sherwood Heights Drive, Wappingers Falls,

New York 12590, (US)
Pierce, Bernard Roy, 262 Cream Street, Poughkeepsie, New York 12601, (US)

LEGAL REPRESENTATIVE:

Jost, Ottokarl, Dipl.-Ing. (6092), IBM Deutschland GmbH Patentwesen und

Urheberrecht Schonaicher Strasse 220, W-7030 Boblingen, (DE)
PATENT (CC, No, Kind, Date): EP 472868 A2 920304 (Basic)

EP 472868 A3 920408

APPLICATION (CC, No, Date): EP 91111497 910710;

PRIORITY (CC, No, Date): US 576539 900831

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): G06F-012/12;

ABSTRACT WORD COUNT: 99

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1020
SPEC A	(English)	EPABF1	10292
Total word count - document A			11312
Total word count - document B			0
Total word count - documents A + B			11312

...CLAIMS program paging characteristics to improve productive CPU time

comprising the step of collecting, in a **program** -related control **block** , **program** paging data comprising the **program** 's productive CPU rate per resident second as a function of central storage allocated.

11. The method of claim 10 further comprising the step of collecting, in a **program** - related control **block** , **program** paging data comprising the **program** 's CPU **cost** for paging per resident second as a function of central storage allocated.

12. In a...

...operating system, a method for determining and using program paging characteristics to improve productive CPU **time** comprising the steps of:

- a) **selecting** one or more to-be-monitored programs;
- b) generating a set of paging characteristics for each to-be-monitored program over a **time** interval;
- c) **selecting** one or more to-be-managed programs from the one or more to-be-monitored...

17/3,K/12 (Item 12 from file: 348)
 DIALOG(R) File 348:EUROPEAN PATENTS
 (c) 2006 European Patent Office. All rts. reserv.

00246965

Parallel computation circuit.
Parallelele Berechnungsschaltung.
Circuit de calcul parallele.

PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,

(US), (applicant designated states: DE;ES;FR;GB;IT;NL;SE)

INVENTOR:

Denker, John Stewart, 387 Cooper Road, Red Bank, New Jersey 07701, (US)

Howard, Richard Edwin, 360 Nutswump Road, Red Bank, New Jersey 07701, (US)

Jackel, Lawrence David, 31 Stoney Brook Road, Holmdel, New Jersey 07733, (US)

LEGAL REPRESENTATIVE:

Buckley, Christopher Simon Thirsk et al (28912), AT&T (UK) LTD. AT&T Intellectual Property Division 5 Mornington Road, Woodford Green, Essex

IG8 OTU, (GB)

PATENT (CC, No, Kind, Date): EP 242098 A2 871021 (Basic)
 EP 242098 A3 881228
 EP 242098 B1 930915

APPLICATION (CC, No, Date): EP 87302964 870406;

PRIORITY (CC, No, Date): US 851234 860414

DESIGNATED STATES: DE; ES; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS (V7): G06G-007/60; G06F-015/76;
ABSTRACT WORD COUNT: 92

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	565
CLAIMS B	(German)	EPBBF1	539
CLAIMS B	(French)	EPBBF1	659
SPEC B	(English)	EPBBF1	3517
Total word count - document A			0
Total word count - document B			5280
Total word count - documents A + B			5280

...SPECIFICATION this function E led to the use of the FIG.1 circuit in
problem solving **applications** in **associative** memory **applications**

and in decomposition problems.

The FIG. 1 circuit can solve the above classes of problems when
those

problems are structured...

...equations that contain terms of order higher than two. Those may be
problems that perhaps **can** otherwise be stated with **second** order
terms, but the statement with higher order terms is more meaningful,

or

they may...

17/3,K/13 (Item 13 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00391508 **Image available**

**AN AUTOMATED COMMUNICATIONS SYSTEM AND METHOD FOR TRANSFERRING
INFORMATIONS**

**BETWEEN DATABASES IN ORDER TO CONTROL AND PROCESS COMMUNICATIONS
SYSTEME ET PROCEDE DE COMMUNICATIONS AUTOMATISES POUR LE
TRANSFERT**

**D'INFORMATIONS ENTRE DES BASES DE DONNEES A DES FINS DE COMMANDE
ET DE**

TRAITEMENT DES COMMUNICATIONS

Patent Applicant/Assignee:

INTERMIND CORPORATION,

Inventor(s):

REED Drummond Shattuck,
HEYMANN Peter Earnshaw,
MUSHERO Steven Mark,
JONES Kevin Benard,
OBERLANDER Jeffrey Todd,
BANAY Dan,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9732251 A1 19970904

Application: WO 97US3205 19970228 (PCT/WO US9703205)

Priority Application: US 96609115 19960229; US 96722314 19960927

Designated States:

(Protection type is "patent" unless otherwise stated - for applications

prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU
IL

IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT

RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN GH KE LS MW SD SZ UG AM
AZ

BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT
SE

BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 92326

Fulltext Availability:

Detailed Description

Detailed Description

... invention.

FIG. 14 represents a user interface display for a form for inputting
information in **conjunction** with an embodiment of a consumer
program .

FIG. 15 is a **block** flow diagram for a process for receiving a
communications object.

FIG. 16A is a block flow diagram for the main **event** loop of the
consumer or provider **program** .

FIG. 16B is a **block** flow diagram for the scheduled event loop of
the
consumer or provider program.

FIG. 17...

17/3,K/14 (Item 14 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00378794 **Image available**

**REMOTE-AUDITING OF COMPUTER GENERATED OUTCOMES USING CRYPTOGRAPHIC
AND**

OTHER PROTOCOLS
CONTROLE A DISTANCE DE RESULTATS PRODUITS PAR ORDINATEUR, AU
MOYEN DE

PROTOCOLES CRYPTOGRAPHIQUES ET AUTRES

Patent Applicant/Assignee:

WALKER ASSET MANAGEMENT L P,

Inventor(s):

SCHNEIER Bruce,

WALKER Jay S,

JORASCH James,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9719537 A1 19970529

Application: WO 96US18834 19961122 (PCT/WO US9618834)

Priority Application: US 95561668 19951122; US 96677544 19960710; US

96694469 19960808
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE DK DK EE EE ES
FI FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK SK TJ TM TR TT UA UG UZ VN KE LS
MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 46659

Fulltext Availability:
Detailed Description

Detailed Description

... The Charging
Method is one of the two identifiers
Charge
Per -Use or Charge-Per- **Time** to **indicate** which form of charging is to be applied when the Software - ID is used.

The...

...they
exist. If it has the value "Base" that means that this is a base **cost** table element, usually **associated** with the **Software** Control **Block** 706 in the insecure data source 704.
If there are no other charge table elements...

17/3,K/15 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00373342 **Image available**
OPERATING APPARATUS WITH PAYMENT FOR USAGE
EQUIPEMENT UTILISE CONTRE PAIEMENT
Patent Applicant/Assignee:
BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY,
REEDER Anthony Andrew,
Inventor(s):
REEDER Anthony Andrew,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9714085 A1 19970417
Application: WO 96GB2489 19961010 (PCT/WO GB9602489)
Priority Application: GB 95307148 19951010
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA CN JP KR NO SE SG US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
PT SE

Publication Language: English
Fulltext Word Count: 8474

Fulltext Availability:
Detailed Description

Detailed Description

... of the program, it would be possible to distribute a unique decryption algorithm in each **program** and a **corresponding encryption** algorithm to the **billing** station 200.

Second Embodiment

The second embodiment in general ful-fils the same function as...

...with the features of the first embodiment (or other embodiments) and separately of each other. **Specifically**, the **second** embcdiment differs from the first in the following respects.

1. Billing is performed at the...

17/3,K/16 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00344642

SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS

PROTECTION

SYSTEMES ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION

ELECTRONIQUE DES DROITS

Patent Applicant/Assignee:

ELECTRONIC PUBLISHING RESOURCES INC,

Inventor(s):

GINTER Karl L,
SHEAR Victor H,
SPAHN Francis J,
VAN WIE David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9627155 A2 19960906

Application: WO 96US2303 19960213 (PCT/WO US9602303)

Priority Application: US 95388107 19950213

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE

KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE

SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ TM

AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 207972

Fulltext Availability:
Detailed Description

Detailed Description

... contracts;
C distribution of 'content' such as electronic printed matter,
video, audio, images and computer **program** ; and
C secure communication of private information such as
medical records and financial information.

Virtual...

17/3,K/17 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00202781

**SYSTEM FOR REMOTELY CREDITING AND BILLING USAGE OF ELECTRONIC
ENTERTAINMENT**

MACHINES
SYSTEME SERVANT A CREDITER ET A FACTURER A DISTANCE
L'UTILISATION DE
MACHINES DE JEU ELECTRONIQUES

Patent Applicant/Assignee:

ARACHNID INC,

Inventor(s):

TILLERY Michael L,
HARLAN Eugene G,
MARTIN John R,
ZAMMUTO Samuel N,
BONILLA Marcio,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9120150 A1 19911226

Application: WO 91US3926 19910604 (PCT/WO US9103926)

Priority Application: US 90837 19900615

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AT AU BE BR CA CH DE DK ES FI FR GB GR HU IT JP KR LU NL NO PL SE SU

Publication Language: English

Fulltext Word Count: 2920

Fulltext Availability:
Claims

Claim

... the processor means does not
receive a reactivation code via the transmission link
during a **designated period of time** .
S. The ...claim
7,, wherein an electronic entertainment machine is
deactivated if the processor means receives a **deactivation**
code via the transmission link .

An apparatus for remotely crediting and **billing**
usage of electronic entertainment machines in
establishments at different locations, which comprises:
an electronic game...

...the processor means does not
receive a reactivation code via the transmission link
during a **designated period of time**.

15 An apparatus for remotely crediting and billing
usage of a plurality of electronic entertainment...

...claim 9,, wherein an electronic entertainment
machine is deactivated if the processor means receives a
deactivation code via the transmission **link**.

16 An apparatus for remotely crediting and **billing**\
usage of a plurality of electronic entertainment machines
as set out in claim 9,, wherein...

? ds;show files;logoff hold

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-		IEW??? ?
S7	22610	S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-		K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
S8	8788	S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR

CORRESP-

OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9 382 S7:S8(7N)(BILL??? ? OR FEE OR FEES OR CHARG??? OR
PAYMENT?

OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR

LI-

CENS? OR DISTRIBUT?()RIGHT? ?)

S10 15713 S2(100N)S5
S11 63 , S10(50N)S9
S12 28 S6(100N)S9
S13 20 S6(50N)S9
S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
S15 54 S11 NOT S13
S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
S17 17 IDPAT (sorted in duplicate/non-duplicate order)

File 348:EUROPEAN PATENTS 1978-2006/ 200624

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File 349:PCT FULLTEXT 1979-2006/UB=20060615,UT=20060608

(c) 2006 WIPO/Univentio

20jun06 11:05:03 User276825 Session D340.2

\$228.16 42.096 DialUnits File348

\$59.50 35 Type(s) in Format 3

\$59.50 35 Types

\$287.66 Estimated cost File348

\$125.53 26.428 DialUnits File349

\$19.20 12 Type(s) in Format 3

\$19.20 12 Types

\$144.73 Estimated cost File349

OneSearch, 2 files, 68.524 DialUnits FileOS

\$16.53 TELNET

\$448.92 Estimated cost this search

\$448.92 Estimated total session cost 68.732 DialUnits

Logoff: level 05.11.05 D 11:05:03

You are now logged offTrying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSS? ### Status: Signing onto Dialog *****

ENTER PASSWORD:

***** HHHHHHHH SSSSSSS? *****

Status: Login successfulWelcome to DIALOG

Dialog level 05.11.05D

Reconnected in file OS 20jun06 11:18:29

* * *

SYSTEM:OS - DIALOG OneSearch

File 348:EUROPEAN PATENTS 1978-2006/ 200624

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*File 348: For important information about IPCR/8 and forthcoming
changes to the IC= index, see HELP NEWSIPCR.

File 349:PCT FULLTEXT 1979-2006/UB=20060615,UT=20060608

(c) 2006 WIPO/Univentio

*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

Set	Items	Description
Cost is in DialUnits		
?		
Terminal set to DLINK		
? ds		
Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-		IEW??? ?
S7	22610	S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-		K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
S8	8788	S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-		OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9	382	S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
PAYMENT?		OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
LI-		CENS? OR DISTRIBUT?()RIGHT? ?)
S10	15713	S2(100N)S5
S11	63	S10(50N)S9

S12 28 S6(100N)S9
 S13 20 S6(50N)S9
 S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
 S15 54 S11 NOT S13
 S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
 S17 17 IDPAT (sorted in duplicate/non-duplicate order)
 ? s s10 and s2(25n)s5(25n)s6

Processing

15713 S10
 127518 S2
 817420 S5
 90554 S6
 419 S2(25N)S5(25N)S6
 S18 419 S10 AND S2(25N)S5(25N)S6

?

PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		
		APPLICATION? OR APP? ?
S2	127518	S1(5N)(DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		
		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		
		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N)(USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		
		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		
		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		
		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		
		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N)(PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR		
		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		
		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		
		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		
		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-		
		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()-		
		IEW??? ?
S7	22610	S2(7N)(AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-		
		K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
S8	8788	S2(7N)(CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-		
		OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)

S9 382 S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
PAYMENT?

OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR

LI-

CENS? OR DISTRIBUT?()RIGHT? ?)

S10 15713 S2(100N)S5
S11 63 S10(50N)S9
S12 28 S6(100N)S9
S13 20 S6(50N)S9
S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
S15 54 S11 NOT S13
S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
S17 17 IDPAT (sorted in duplicate/non-duplicate order)
S18 419 S10 AND S2(25N)S5(25N)S6

? logoff hold

20jun06 11:30:41 User276825 Session D340.3

\$4.08 0.753 DialUnits File348

\$4.08 Estimated cost File348

\$3.32 0.699 DialUnits File349

\$3.32 Estimated cost File349

OneSearch, 2 files, 1.452 DialUnits FileOS

\$3.46 TELNET

\$10.86 Estimated cost this search

\$10.86 Estimated total session cost 1.452 DialUnits

Logoff: level 05.11.05 D 11:30:41

You are now logged offTrying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSS? ### Status: Signing onto Dialog *****

ENTER PASSWORD:

***** HHHHHHHH SSSSSSS? *****

Status: Login successfulWelcome to DIALOG

Dialog level 05.11.05D

Reconnected in file OS 20jun06 11:43:58

* * *

SYSTEM:OS - DIALOG OneSearch

File 348:EUROPEAN PATENTS 1978-2006/ 200624

(c) 2006 European Patent Office

*File 348: For important information about IPCR/8 and forthcoming
changes to the IC= index, see HELP NEWSIPCR.

File 349:PCT FULLTEXT 1979-2006/UB=20060615,UT=20060608

(c) 2006 WIPO/Univentio

*File 349: For important information about IPCR/8 and forthcoming
changes to the IC= index, see HELP NEWSIPCR.

Set Items Description

--- -----

Cost is in DialUnits

?

Terminal set to DLINK
? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE? OR - APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR RESTRICT? - OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL? OR E- NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR AP- PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL- EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION? OR E- VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR MINUTE? ? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK??? OR CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR IDENTI- FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR DE- SIR??? OR EXPIR? OR DETERMIN?)
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S8	8788	S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR CORRESP- OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
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S15	54	S11 NOT S13
S16	17	S15 NOT (AD>1999 OR AD=2000:2006)
S17	17	IDPAT (sorted in duplicate/non-duplicate order)
S18	419	S10 AND S2(25N)S5(25N)S6
? s s18(50n)s9		

419 S18
 382 S9
 S19 11 S18(50N)S9
 ? delete s19
 Set 19 has been deleted
 ? s s18 and s2(25n)s5(25n)s6(25n)s9
 419 S18
 127518 S2
 817420 S5
 90554 S6
 382 S9
 8 S2(25N)S5(25N)S6(25N)S9
 S19 5 S18 AND S2(25N)S5(25N)S6(25N)S9
 ? ds

Set	Items	Description
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S8	8788	S2(7N)(CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR CORRESP- OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9	382	S7:S8(7N)(BILL??? ? OR FEE OR FEES OR CHARG??? OR PAYMENT? OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR

LI-

CENS? OR DISTRIBUT?()RIGHT? ?)
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S12 28 S6(100N)S9
S13 20 S6(50N)S9
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S17 17 IDPAT (sorted in duplicate/non-duplicate order)
S18 419 S10 AND S2(25N)S5(25N)S6
S19 5 S18 AND S2(25N)S5(25N)S6(25N)S9

? s s11:s16

S20 79 S11:S16

? s s19 not s20

5 S19

79 S20

S21 0 S19 NOT S20

? ds

Set Items Description
S1 2788927 SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -

APPLICATION? OR APP? ?

S2 127518 S1(5N)(DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -

OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?

OR E-

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S4 1907722 TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
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VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR

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? OR SECOND? ? OR PERIOD?

S5 817420 S4(5N)(PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR

CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR

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FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR

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SIR??? OR EXPIR? OR DETERMIN?)

S6 90554 MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
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PAY()PER()V-

IEW??? ?

S7 22610 S2(7N)(AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
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K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)

S8 8788 S2(7N)(CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR

CORRESP-

OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9 382 S7:S8(7N)(BILL??? ? OR FEE OR FEES OR CHARG??? OR
PAYMENT?

OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
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S18 419 S10 AND S2(25N)S5(25N)S6
S19 5 S18 AND S2(25N)S5(25N)S6(25N)S9
S20 79 S11:S16
S21 0 S19 NOT S20

? s s18 not s19:s20

419 S18

79 S19:S20

S22 404 S18 NOT S19:S20

? s s22 and s3(50n)s5:s6

404 S22

33832 S3

844632 S5:S6

3315 S3(50N)(S5:S6)

S23 134 S22 AND S3(50N)S5:S6

? s s23 and s3(25n)s9(25n)s5:s6

134 S23

33832 S3

382 S9

844632 S5:S6

27 S3(25N)S9(25N)(S5:S6)

S24 0 S23 AND S3(25N)S9(25N)S5:S6

? ds

Set Items Description

S1 2788927 SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?

OR -

APPLICATION? OR APP? ?

S2 127518 S1(5N)(DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR

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S4 1907722 TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?

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MINUTE?

? OR SECOND? ? OR PERIOD?

S5 817420 S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
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 S7 22610 S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
 LIN-
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 S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
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 S9 382 S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
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 S18 419 S10 AND S2(25N)S5(25N)S6
 S19 5 S18 AND S2(25N)S5(25N)S6(25N)S9
 S20 79 S11:S16
 S21 0 S19 NOT S20
 S22 404 S18 NOT S19:S20
 S23 134 S22 AND S3(50N)S5:S6
 S24 0 S23 AND S3(25N)S9(25N)S5:S6
 ? s s23 and s9
 134 S23
 382 S9
 S25 3 S23 AND S9
 ? t 25/3,l/all
 >>>'L' not a valid format name
 ? t 25/3,k/all

25/3,K/1 (Item 1 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
 (c) 2006 WIPO/Univentio. All rts. reserv.

01313061 **Image available**
 METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT
 PLACEMENT
 DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT
 PROCEDE POUR LA COMPENSATION AU MOINS PARTIELLE D'ERREURS DANS LE

PLACEMENT

POINTS D'ENCRE DUES A UN DEPLACEMENT ROTATIONNEL ERRONE

Patent Applicant/Assignee:

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designated
states except: US)

Patent Applicant/Inventor:

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(Nationality),
(Designated only for: US)

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Patent and Priority Information (Country, Number, Date):

Patent: WO 2005120835 A1 20051222 (WO 05120835)

Application: WO 2004AU706 20040527 (PCT/WO AU04000706)

Priority Application: WO 2004AU706 20040527

Designated States:

(All protection types applied unless otherwise stated - for
applications

2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK
DM

DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT
RO

RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM
ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL

PT RO

SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 618378

Fulltext Availability:
Claims

Claim

... scanline and then Huffinanencodes the resulting runlengths.
Runlengths
in the range 0 to 63 are **coded** with terminating codes. Runlengths
in
the range 64 to 2623 are coded with make-up...CMYK) layer, the LBD
expands the compressed bi-level layer (typically K), and the TE
encodes
Netpage tags for later rendering (typically in IR, Y or K ink). The
output from...

...the CFU, SFU, and TFU. The CFU and SFU buffers are implemented in
DRAM.

The **second** stage is the HCU, which dithers the contone layer, and
composites position tags and the...
...configurable priority, and masking.
CPR Clock, Power and Central Unit for controlling and generating
Reset **block** the system clocks and resets and
powerdown mechanisms
PSS Power Save Storage Storage retained while...

...the N4MU when a PEP block is being accessed the PCU does not need to
perform a decode of the higher-order address bits. See Table I I for
the
PEP...

...authentication of program using results in Power-Safe Storage (PSS)
(see
Section 10 2). 5) **Execution** of **program** from DRAM. 6) Retrieve
operating parameters from PFJNTEkQA and authenticate operating
parameters. 5 7) Download...Supervisor mode code running on the SoPEC
CPUs will allow or disallow these commands. The **software** protocol
needs
to be constructed with this in mind. The ISCMaster will initiate all
communication...

...below.

10 1 Powerup
Powerup describes SoPEC initialisation following an external reset or
the
watchdog **timer** system.reset. 1) Execute reset sequence for complete
SoPEC. 2) CPU boot from ROM. 3...

...await a new program download. 8) If the hash values match then the
CPU
starts **executing** the downloaded **program**. 9) If, as is very
likely,
the downloaded program wishes to download subsequent programs
(such...

...ROM does not control these authentications - it is solely concerned with

verifying that the first **program** downloaded has come from a trusted source. 10) At some subsequent point OEM code starts...

...of the downloaded program. 3) The ResetSrc register in the CPR block is

read to **determine** whether or not a power-on reset occurred. 4) If a power-on reset occurred...

...stored in ROM. This decrypted signature is the expected SHA- I hash of

the accompanying **program** . If a power-on reset did not occur then the

expected SHA- I hash is...

...of reset the UDU is already configured to receive data from the USB. 2)

The **program** is downloaded (via USB) to embedded DRAM. 3) The CPU calculates a SHA- I hash...

...in ROM. This decrypted signature is the expected 0 SHA-I hash of the accompanying **program** . The **encryption** algorithm is likely to be a public key algorithm such as RSA. If a power...

...SoPEC is

functioning as a USB host

Communication with other devices (utilizing the MMI interface **block**

)

via miscellaneous protocols (including but not limited to Parallel Port,

Generic 68KA960 CPU interfaces, serial...

...dead nozzle information from the printhead and forward to the host PC or

process locally **Select** the appropriate firing pulse profile from a set of predefined profiles based on the printhead...

...To control the Print Engine Pipeline the CPU is required to provide a

level of **performance** at least equivalent to a 16-bit Hitachi H8-3664

microcontroller running at 16 MHz...

...the DIU posted write buffer

Diu-cpu-@write-rdy 1 In Signal from the DIU **indicating** that the posted

write

buffer is empty

cpu diu waddr[21:4 1 8 Out...In Read data bus from the MMI block

Cpu-tim-sel 1 Out Timers block **select** . Tim-cpu-rdy 1 In Timers block

ready signal to the CPU.

Tim

cpu

berr...

...Read data bus from the PSS block
 Cpu-diu-sel 1 Out DIU register block **select** . Diu-cpu-rdy 1 In DIU register block ready signal to the CPU.
 Diu
 cpu...

...Read data bus from the UHU block
 Cpu-udu-sel 1 Out UDU register block **select** . Udu-cpu-rdy 1 In UDU register block ready signal to the CPU. Udu-cpu...

...is
 acknowledging when cptLiack is high
 Cpu
 iack 1 Out Interrupt acknowledge signal. The exact **timing**
 I depends on the CPU core implementation
 Debug signals
 diu- cpu-debug
 vali 1 In...

...the dhLcpLLdata bus is
 d valid debug data. tim-cpu-clebug-yali 1 In Signal **indicating** the data
 on the firrLopg-data bus is d valid debug data. mmi-cpu-debug...

...cpLL-data bus is lid valid debug data.
 pcu-cpu-debug
 val 1 In Signal **indicating** the data on the pcLLcpLLdata bus is id valid debug data.
 lss@--cpu-clebug-vali...

...gpio-cpLLdata bus is lid valid debug data.
 cpr@-cpu
 debug
 vali 1 In Signal **indicating** the data on the cp@-cpu-data bus is d valid debug data.
 uhu cpu debug val 1
 In Signal **indicating** the data on the uhu-cpLLdata bus is id valid debug data. udu -cpu clebug--yal 1 In Signal **indicating**
 the
 data on the udu-cpLLdata bus is id valid debug data. clebug-clata-out...

...signal for each debug data line indicating
 whether or not the debug data should be **selected** by
 the pin mux
 11.2
 11.3 Realtime requirements
 The SoPEC realtime requirements can...

...color-space conversion etc. for printing images directly from digital
 cameras (e.g. via PictBridge **application software**). Initial investigations indicate that the LEON processor, running at 192 MHz, will
 easily perform three authentications in under a **second** .
 Table 15. Expected firm requirements
 Power-on to start of printing first page [USB and...

...CPU subsystem's bus slave should return zeroes on the unused upper bits of the **block** @cpu data bus. To support debug mode the contents of the register **selected** for debug observation, debug reg, are always output on the block C u data bus...The AHB bridge inserts wait states until it sees the diu2CPu rvaId signal is high, **indicating** the data ('LDI') on the dram @cpz@ data bus is valid. The AHB bridge terminates...

...from the CPR block
 gpio-cpu-berr 1 In Bus Error signal from the GPIO **block**
 icu-cpu-berr 1 In Bus Error signal from the ICU **block**
 lss
 cpu-berr 1 In Bus Error signal from the LSS **block**
 pcu-cpu-berr 1 In Bus Error signal from the PCU block
 mmi-cpu-berr...

...from the PSS block
 diu-cpu-berr 1 In Bus Error signal from the DIU **block**
 uhu
 cpu
 berr 1 In Bus Error signal from the UHU block
 udu
 cpu
 berr...

...the MMU
 Control Unit
 peri-mmu-data[31:0] 32 Out Data bus from the **selected** peripheral
 peri-mmu-rdy 1 Out Data Ready signal. Indicates the data on the ped...

...bridge signals
 cpu-start-access 1 In Start Access signal from the LEON AHB bridge **indicating** the start of a data transfer and that the cpLLadr, cpLLdataout, cpLLrwn and cpLLacode signals...

...of an access.
 Description:
 The CPU Subsystem Bus Interface block performs simple address decoding to **select** a peripheral and multiplexing of the returned signals from the various peripheral blocks. The base...

...registers are handled by the MMU Control Block rather than the CPU Subsystem Bus Interface **block**. The CPU Subsystem Bus Interface **block** operation is described by the following pseudocode:
 masked.cpu-adr = cpu
 adr[18:12]
 case...

...against stalling the CPU a simple bus timeout mechanism is supported.

Table 24. MMU Control **Block** I/Os

1 !@!g

SoPEC signals

1 In Global reset. Synchronous to pclk, active low...

...bus for both DRAM and peripheral access.

cpu-acode[1:0] 2 Out CPU access **code** signals (cpLt-mmLt-acode)
retimed

to meet the CPU Subsystem Bus timing requirements

dram-access-en 1 Out DRAM Access Enable signal. **Indicates** that the current CPU access is a valid DRAM access.

IVIMU Control Block to LEON...

...1 In Toplevel CPU Read/notWrite signal.

cpu mmuacode[1:0] 2 In CPU access **code** signals

mmu-cpu-rdy 1 Out Ready signal to the CPU core. Indicates the completion...

...use instead of

this.

if ((cpu

start

access == 1) AND (cpu-access-cnt <= ResetExceptionCycles)

AND

(**clock** -tick == TRUEH then

cpu

access

cnt = cpu-access-cnt +1

else

post-reset-state = FALSE...

...itag) or 32 x 32-bit (dtag). Like most of the rest of the LEON **code** **used** on SoPEC the cache controllers are taken from the leon2 0.7 release. The LEON...the record elements.

Table 25. Relevant LEON records

IBM 101 001: IM ME,

rfi Register **File** Input record. Contains address, datain and control signals for the register file.

rfo Register File...

...data out of the

dual read port register file.

ici Instruction Cache In record. Contains **program** counters from different stages of the pipeline and various control signals

ico Instruction Cache Out...

...will generate the appropriate exception for the forced cache miss caused

by the errant user **code** . In the case of a prohibited read access the

trap will be immediate while a...

...controllers.

Table 26. LEON Cache Control Register

ONE

Ics 1:0 Instruction cache state:
00 - **disabled**
01 -frozen
1 0 - **disabled**
1 1 - enabled
DCS 3:2 Data cache state:
00 - disabled
01 -frozen
1 0 - **disabled**
1 1 - enabled
IF 4 lCache freeze on interrupt
0 - Do not freeze the lCache...

...the pcLLcpLLdata bus is valid id debug data.
Iss-Cpu-debug-vali 1 In Signal **indicating** the data on the lss
cpLt
data bus is valid
d debug data. icu-cpu-debug-vali 1 In Signal **indicating** the data on
the
icLLcpLLdata bus is valid d debug data.
gpio-cpu-debug
va 1 In Signal **indicating** the data on the gpiq
cpLLdata bus is valid
lid debug data.
cpr-cpu-debug...

...cp@
cpLLdata bus is valid
d debug data.
uhu-cpu-clebug
yal 1 In Signal **indicating** the data on the uhu cptLdata bus is
valid
id debug data.
udu-cpu-debug-val 1 In Signal **indicating** the data on the udq
cpLLdata bus is valid
id debug data.
debug
data
put...

...debug output.
1 - Pin outputs debug data
0 - Normal pin function
0x88 DebugPinSeI2 32 0X000 **Determines** whether a gpio[31:0]pin is
0 000 used for debug data output.
0...

...the DIU
GPIO Interface Signals
gpio-uhu-over-current[2:0 3 in Over-current **indication** , per port.
Driven by an external VBLIS current monitoring
circuit. Each bit of the bus...

...power on
Test Interface Signals
uhu-ohci-scanmode-i-n 1 In OHCI Scan mode **select** . Active low.
Maps to ohci 0 scanmodet-Ln ehcLohci core

input signal.
 0: scan mode...0. UserModeEn can only be written in supervisor mode.
 Table 35. UHU register map
 UHU- **Specific** Control/Status Registers
 OX000 Reset 1 0x1 Reset register.
 Writing a '0' or a '1'...

...on page 128 for
 UhuStatus register description. OX00C IntMask 7 0x0 Interrupt mask register.
 Enables/ **disables** the generation of interrupts for individual events detected by the IntStatus register. Refer to section...

...When disabled, all UHU to DIU control signals will be de-asserted.
 [4] ReadEn
 0: **disabled**
 1: enabled
 [3:1] Reserved
 [0] WriteEn
 0: **disabled**
 1: enabled
 OX024 DebugSelect[9:2 8 0x0 Debug **select** register.
 Address of the register selected for debug observation.
 NOTE: DebugSelect[92] can only select...

...status registers for
 debug observation, i.e. EHCI/OHCI host controller registers can not be **selected** for debug observation. OX028 UserModeEn 1 0x0 User mode enable register.
 Enables CPU user mode...

...values are implementation-specific.
 OX150 HcRhStatus 32 impl. Represents the Hub Status field and the **specific** Hub Status Change field.
 OX154 HcRhPortStatus 32 impl. Used to control and report port events...

...0.
 OX158 HcRhPortStatus 32 impl. Used to control and report port events on
 I'll **specific** I port #1. OX15C HcRhPortStatus 32 spimpl. I Used to control and report port **events** on [2] ecific port #2.
 OX1 60 - Reserved
 EHCI Host Controller Capability Registers. There are...

...HRESP=0x1 (ERROR).
 7:5 0x0 Reserved
 EhciAhbAdrErr 4 0x0 EHCI AHB master address error.
Indicates that the EHCI AHB master presented an address to the uhLL dma AHB arbiter that...

...on page 147.
 3:1 W Reserved

OhciAhbAdrErr 0 Ox0 OHCI AHB master address error.

Indicates that the OHCI AHB master presented an address to the uhLL dma AHB arbiter that...

...2.3 UhuStatus Register Description

Table 37. UhuStatus

MEN

EhcilrqPending 24 W EHCl interrupt pending.

Indicates that an IntStatus.Ehcilrq interrupt condition has been detected, but the interrupt has been delayed...

...Ohcilrq is cleared.

19:17 Ox0 Reserved

EhciSmiPending 16 Ox0 OHCI system management interrupt pending.

Indicates that an IntStatus.OhciSmi interrupt condition has been detected, but the interrupt has been delayed...

...W Reserved

PortEnurnScale 2 W 0: Normal port enumeration time. Normal operation.

1:

Port enumeration **time** scaled down. Debug.

HccPararnsWrEn 1 W 0: HCCPARAMS register read only. Normal operation. 1: HCCPARAMS...

...in some PHY implementations. The functionality of the UTMI control/status registers are PHY implementation **specific**. NOTE: Field

names have been added for reference. They do not appear in any Synopsys

...

...INSNREG05 should be

performed when host busy.

PortNumber 16:13 W Port Number. Set by **software** to indicate which port

the control/status fields **apply** to. Vload 12 Ox0 Vendor control register load. 0: Load VControl. 1: NOP. Vcontrol 11...Out Remote

wake up

enable.

Reflects HcControl. RWE bit. HcControl RWE is used to enable/ **disable** remote wake-up upon upstream resume signalling.

ohci ccs

o[P-1:0] P Out...

...disconnected or

powered-off state. Reflects HcRhPortStatus.CCS.

OHCI Interface Signals - Legacy Support

ohci-O- **app**

io

hit

i 1 In Legacy - **application** 1/0 hit. ohci-O- **app** -irq1-i 1 In

Legacy -

external interrupt #1 - PS2 keyboard. ofti@@ **app** -ircI12-i 1 In

Legacy -

external interrupt #12 - PS2 mouse. ohci-O-Igcy-irq1-o...

...access
 1 1: Supervisor data access
 Supervisor Data is always allowed. User Data
 access is **programmable** .
 cpu
 udu.sel 1 In **Block select** from the CPU. When cpLLudu sel is
 high both cpLt
 adr and cpq
 dataout are...

...error signal to the CPU indicating an invalid
 access.
 udu -cpu-debugLv 1 Out Signal **indicating** that the data currently on
 alid udu cpLt. data is valid debug data.
 GPIO signalregisters in the UDU are **programmed** via the CPU
 interface.
 Table 53 below describes the UDU configuration registers. Some of
 these
 ...

...will always be
 read as '1'. 0x004 DebugSelect[1 0:2] 9 0x000 Debug address **select** .
 This **indicates** the
 address of the register to report on the
 udq-cpL,L
 data bus when...

...udit.-vbus status goes low.
 0x034 DisconnectDevice 1 0xII This register drives the UDC20 signal
app -de%@.-discon. Writing a '1' to this
 register effectively disconnects the D+/D
 lines. Once...

...6: app-enablo-erratiq--err
 Bit 5: app-n,2@-len
 pkt
 slalLall
 Bit 4: **app** -n2@-len
 pkLstall
 Bits 3-2: **app** -exp-speed[1:0]
 Bit 1: app
 dei@
 rmtwkqp
 Bit 0: app-self pwr
 0x03C...

...control/status registers (not available in debug mode)
 0x400 SetupCmdAdr 16 0x0555 Setup/Command Address **used** by
 UDC20. This must be **programmed** to
 0x0555. 0x404 to EpnCfg 12x32 0x000000 Endpoint configuration
 register.
 0x430 00 Bits 31-30...0
 OUT buffer
 SET-FEATURE OUT Taken care of by LIDC20, not seen by the
application
 SET-INTERFACE OUT Passed to the application via an interrupt which

must be acknowledged (lntSetCsrsInt0...

...the application.
 app-err 1 In Issued by the application instead of app-ack to
indicate
 various responses depending on the transaction, e.g. to
 indicate that the data cannot be accepted yet.
 app -abort 1 In Issued by the **application** instead of app -ack to
 abort the
 transfer. app -data[31:0] 1 in Read data for the transaction. app
 -databen[3:0] 1 in The byte enable for app-data[31:0].
 VCI Slave...

...csrrdata[31:0] 32 In The write data for the transaction.
 app-csrrnw I In **Indicates** whether the current transaction is a read
 or
 write. If the signal is high, the...

...read. If the
 signal is low, the transaction is a write.
 app-csrburst 1 In **Indicates** that the current transaction is a burst
 transaction. This must always be kept low. udc20...

...packet during
 StatusOut phase of control transfer. app-nz-len-pkLstall 1 In
 Response of
application to non zero length packet during -all StatusOut phase
 of
 control transfer.
 app-stall
 cIr...

...hst-setintf 1 Out Signal for sampling udc20-inff and udcXLalfintf.
 udc20-setup 1 Out **Indicates** that the current VOI master transaction
 is
 a
 setup write.
 udc20-seL-csrs I Out...

...number.
 0]
 udc20-enumon I Out Device is being enumerated. udc20-enum-speed[2
 Out
Indicates the speed the device is running at.
 1:0]
 udc20
 erratic-err I Out **Indicates** that phy mactive and phy fxvalid are
 continuously asserted for 2ms due to a PHY...

...register is set to
 'P, then a zero length data packet is sent by asserting app
 qrr instead of app
 ack. This **indicates** to
 the USB host the end of the transfer. If the local packet buffer
 is...

...to this register, the UDU respond

to the Status request with a STALL, by asserting **app**
 vall. If the configuration register StatusOutResponse
 has not yet been written to, its contents will...no valid DMA
 descriptor
 for the endpoint, the UDU responds with a NAK by
 asserting **app**
 err. An interrupt is generated on IntEpWutNak. If the local packet
 buffer
 is not empty...
 ...and there is a valid DMA
 descriptor, the LJDU responds with a NAK by asserting **app**
 qrr instead of **app**
 ack for the
 first write. An interrupt is generated on IntEp00utNak.
 3 5 0 PING...

...StatusIn until it receives a non NAK handshake. If the
 StatusInResponse
 register contains "10", this **indicates** that the application is
 unable
 to process the
 control request. The VCI port's app...

...I', then a zero length data packet is sent by asserting app
 err instead of
app
 gck. This **indicates** to the USB host the end of the transfer. 5 If
 the
 local packet buffer...

...no valid DMA descriptor for the endpoint, the LJDU responds with a
 NAK
 by
 asserting **app**
 err. An interrupt is generated on IntEpnOuWak. If the local packet
 buffer
 is not empty...

...the local packet buffer is not empty, the UDU responds with a NAK by
 asserting **app**
 err. An interrupt is generated on IntBujoverrun. In non-streaming
 mode,
 if the local packet buffer is not empty, the UDU responds with a
 NAK by asserting **app**
 err. An interrupt is generated on IntEpnOutNak. If the endpoint is
 stalled, due to the relevant bit in EpStall being set, the UDU
 responds
 with a
 NAK by asserting **app** err instead of **app**
 qck. When the packet has been written, the LJDC20 issues a status
 write
 to **indicate** whether there were any protocol errors in the packet
 received. The UDU ensures that only...

...then deasserts the udc20 -suspend signal and an interrupt is
 generated
 on IntResume. The CPR **block** recognises a change of logic levels on

the
line-state signals from the PHY and...

...and udc20
enum
.,Yspeed[1:0] to provide enumeration status to the UDU. udc20 - enumon
indicates when enumeration is occurring. A negative edge trigger on
this signal is used to sample...

25/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00761424

**A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE
DELIVERY OF**

**COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR
PHASES**

**DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE
TECHNIQUE**

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Detailed Description

Detailed Description

... Administrator -- provides secure, remote management of distributed ISP services
Internet Services Monitor - monitors Internet services, **identifies** and manages network problems
Directory Services -- provides a multi protocol, global directory for storing information...

...features including quick, repeatable installation, Product2 security configuration, intrusion detection, server process monitoring, and log **file** management.

Product4 SKIP -- provides **encryption** and key management capabilities which enables PCs,
Product2 Bandwidth Manager -- a software product 2 that...small scale patterns and major mechanisms that implement the common requirements and design in a **specific** application domain.

They were first developed to free application programmers from the chores involved in...

...programmer called libraries provided by the operating system to perform certain tasks, but basically the **program** executed down the page from start to finish, and the **programmer** was solely responsible for the flow of control. This was appropriate for printing out paychecks...

...basic menus, windows, and dialog boxes and then making these things all work together, programmers **using** application frameworks start with working **application code** and basic user interface elements in place. Subsequently, they build from there by replacing some of the generic capabilities of the framework with the **specific** capabilities of the intended application.

Application frameworks reduce the total amount of code that a...

...really a generic application that displays windows, supports copy and paste, and so on, the **programmer** can also relinquish control to a greater degree than event loop programs permit. The framework...by RTP.

It describes the testing methods used to validate the detailed design stage where **program** specifications are tested.

0 Component Test - A component test is the testing of an individual...

Plan, the Work Breakdown Structure (WBS), the Organization Breakdown Structure, Cost Accounting, milestones, and deliverables.

Scheduling **Scheduling** Tools are used to allocate resources against the YV`BS, to determine the timeline for a **specific** project, and to **schedule** the allocation of resources at the **program** level.

Tracking
Project tracking tools enable the project manager to track the actual project status...developed.

Source Code Editor

A source code editor is used to enter and edit source **code** for the **application** .

Complexity varies from simple ASCII text editors to fully integrated editors such as those provided...

...syntax checking, improving productivity by detecting errors as they are made, rather than at compile **time** .

0 Color coding, which automatically applies different colors to text depending on its type or...and proxies are two common types of event/data generation tools. Often these tools use **broadcasting** and trapping methods to capture information. Application generated events from vendor packages and user applications...

25/3,K/3 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00456834 **Image available**

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY

COMMUNICATION

SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR

RESEAU COMMUTE

Patent Applicant/Assignee:

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Inventor(s):

ZEY David A,

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Detailed Description

Detailed Description
... processing.

Callback scenarios for reserving calls over existing telephony networks have been available for some **time** . Examples of such service are CSI Callback, Rumilla Telecommunication for international callback and SummitLink which...of an internet telephony system in accordance with a preferred embodiment;
Figure 1D is a **block** diagram of a hybrid switch in accordance with a preferred embodiment;
Figure 1E is a...

...a hybrid (internet-telephony) switch in accordance with a preferred embodiment;
Figure 1G is a **block** diagram showing the **software** processes involved in the hybrid internet telephony switch in accordance with a preferred embodiment;
Figure...accordance with a preferred embodiment;
Figures 55A and 55B illustrate the operation of the Pager

Termination

processor in accordance with a preferred embodiment;
Figure 56 depicts the GetCallback routine called from...AND RELATED SERVICES

/ 9

A. System Environment for Internet Media

1. Hardware

2.Object-Oriented **Software** Tools

B. Telephony Over The Internet

1. Introduction

2.IP Phone as a Commercial Service...4.ITG connects to a PC

S.VNET PC to PC Call Flow Description

6. **Determining** best choice for Internet client selection of an

Internet

Telephony Gateway server on the Internet...data transmission takes place

(i.e. no one speaks). Utilization can be low because the **time** between

transmission of signals is unable to be used by any other calls, due to

...

...The infrastructure assumes the use of PCM encoding techniques for voice. However, very high quality **codecs** are available

that can **encode** voice using less than one-tenth of the bandwidth of PCM.

However, the circuit switched...transmitting voice, video, and data over digital lines," most commonly running at 64 kilobits per second . The traditional phone network runs voice at only 4 kilobits per second . To adopt ISDN, an end user or company must upgrade to ISDN terminal equipment, central office hardware, and central office software . The ostensible goals of ISDN include the following.

To provide an internationally accepted standard for...database services are carried out on a set of dedicated general purpose computers with specialized software . New value added services can be easily integrated into the system by enhancing the software...forwarding, dial-out, etc), DTMF (for collection or outpulsing), and Fax (for receive, send, or broadcast).

1 5 Some capabilities are not network-based, but are based purely on data that has been deployed into our platform. Some examples of these capabilities are.

calendar (to determine what day of the week or month it is), 0 comparison (to compare strings of digits or...to accept the update and only later synchronize the changes with the dbServer (at which time exception notifications could be conveyed back to the originating application). The choice to update in lock -step, or not, is a matter of application policy not Data Management 2138.

Only changes...Resource Manager 2150 grant it the resource whenever it becomes available or within a specified period.^

Resource Release: The allocated resource should be put back into the resource pool once the...contains an embedded multi-use TOKEN. This page also shows one or more graphics to indicate the types of services available to the user. Some services are not accessible by our...names of appropriate Application Servers with the view to sharing the load among all available Application Servers. This load sharing is done by using the configuration data read by the Welcome...contains the following fields.

- 1 . IP Address (16);
2. Time entered (4); and
- 3o 3. Time expires (4).

The key field is the IP Address. All three values are set by the...

...over-ridden, the service doing the over-ride will only be allowed to change the **Time expires** value to <epoch-start>, thus flagging the entry as over-ride.

12!;

This database is...for less than two seconds. Currently, directlineMCI requires the # key to be depressed for two **seconds** or more before the subscriber can reoriginate a call.

L, Message
1 . Multiple Media Message...

...2 . Multiple Media Message Manipulation.
A subscriber is allowed to access the Universal Inbox to **perform** basic message manipulation, of messages received through multiple media (voicemail, faxmail, email, paging), through the...

...to retrieve voicemail messages and pager messages, and retrieve message header (priority, sender, subject, date/ **time** , size) information for faxmail and email messages. In addition, subscribers are able to save, forward...subscriber's "universal inbox". Specifically, the subscriber will have the ability to establish a notification **schedule** , through the directlineMCI ARU, to receive a pager message which indicates the number of voicemail...options (FollowMe, voicemail, faxmail or pager) are enabled;
* Define the default number for faxmail delivery;
* **Activate** paging notification for voicemail;
* **Activate** paging notification for faxmail; and
Provide guest option to classify voicemails for urgent delivery;
Define...small scale patterns and major mechanisms that implement the common requirements and design in a **specific** application domain.

They were first developed to free application programmers from the chores involved in...
...tasks, but basically the program executed down the page from start to finish, and the **programmer** was solely responsible for the flow of control. This was appropriate for printing out paychecks...the customer support load and result in unhappy customers. The first approach is simple but **restrictive** .

Most users are expected to be very cost conscious, and so might be

satisfied with...

...case the caller who was rejected, but wants to place the call anyway makes a **second** call attempt with this attribute set.

For customers with money to spare, all PSTN calls...options open, but it

allows for simpler dialing from day one. Given a legitimate area **code**

the PSTN caller can directly dial the E. 164 address of the PC on the...

certainly cheaper than telephone switches, and the 10 kbps (or so) that

the IP voice **software** uses (essentially half duplex) is certainly less

than the

dedicated 128 kbps of a full...VNET Translation Resp 40 'Check configuration

IP, *Config Dam

or

JP, Dialed Number

Optional data **depending** upon implementation

A PC uses an Internet telephony **software** package to attempt to

Z

n

connect to a VNET number. To establish this connection, the user of the

PC dials theVNET...PC. The ITG must know the IP address of the PC to which it is

connecting . The specific format and contents of this message is **dependent** upon the ITG **software** sending the message or the PC **software** to receive the message. This message may contain information identifying this call as one being...

...this computer to the network. This address may be

53q

used by other IP telephony **software** packages to establish a

connection

to this computer. The address comprises an identification of the computer or

virtual private network...PBX that they are using the VNET network to route the

call. Once the telephony **software** package has identified this call

as a

,I q?

VNET type call, it will send...

...the directory service receives this message, it uses the VNET number (or other ID) to **determine** if the user associated with the VNET

number (or other ID) is "on-line" and...where the location of the directory service to receive this "on-line" message will be

determined

by the

data distribution implementation for this customer. In some cases

this

may be a...

...PC12 1051, it will
io update a profile entry associated with the unique ID to **indicate**
that the user is "on-line" and is located at the specified IP
address.
Then...

...the ID, the directory service sends a response (ACK) back to the
specified IP address **indicating**
that the message was received and processed. When the computer (PC
12)

1 5 receives...connection to the
step 1502 MCI directory service where a look up is performed to
determine how to route the call. In step 1503, the call is
terminated in
the Intelligent System Platform (ISP) to **determine** where to send
the
call. IP Router is the gateway that goes into the MCI ISP to
determine
via the Intelligent Services
Network (ISN) feature engine how to get the call through the...
illustrates the logical system components of SNMS. At the heart of
the
process is Process **Events** 402. This component serves as a traffic
cop
for SNMS processes.

Process Events 402, which...

...parses the events and sends
them to Process Events 402 for analysis. The Receive Network **Events**
2/0
process 404 is shown in greater detail in Figure 6.

The Process Topology...filter are transmitted. In step 806, the
specific
operator's process registers itself with Process **Events** 402 to
identify which
alarms are to be sent. In step 808, the GUI display is presented to
the
operator.

The continuous execution of Display Alarms 412 begins in step 810.
Each
event that is to be retrieved and presented, as defined by the
operator
filter,
is received and identified. In steps 812, 816, 820, 826, and 836 SNMS
determines what to do with the **event** based on the event type
identification
made in step 810. In steps 812 and 816, if the **event** is **determined**
to
be
an alarm update or a topology update, the operator's GUI display
is...

...Then the next event is received, in step 810.

220

In step 820, if the **event** is **determined** to be an operator action,
two
activities are required. First, in step 822, the operator...

...that should be taken when

a specific alarm is received)

In step 836, if the **event** is **determined** to be a termination
request,
then the specific operator's GUI process is terminated in...

...displays.

A. SAMS Circuits Map

This window displays topology and alarm status information for a
selected linkset. As network **events** are received, SNMS recognizes
the
relationships between endpoints and isolates the fault by reducing
generated...

? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-		IEW??? ?
S7	22610	S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-		K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)

S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-
OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9 382 S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
PAYMENT?

OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
LI-

CENS? OR DISTRIBUT?()RIGHT? ?)
S10 15713 S2(100N)S5
S11 63 S10(50N)S9
S12 28 S6(100N)S9
S13 20 S6(50N)S9
S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
S15 54 S11 NOT S13
S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
S17 17 IDPAT (sorted in duplicate/non-duplicate order)
S18 419 S10 AND S2(25N)S5(25N)S6
S19 5 S18 AND S2(25N)S5(25N)S6(25N)S9
S20 79 S11:S16
S21 0 S19 NOT S20
S22 404 S18 NOT S19:S20
S23 134 S22 AND S3(50N)S5:S6
S24 0 S23 AND S3(25N)S9(25N)S5:S6
S25 3 S23 AND S9

? s s23 not s25

134 S23

3 S25

S26 131 S23 NOT S25

? s s26 not (ad>1999 or ad=2000:2006)

>>>File 348 processing for AD=1999 : AD=|

>>> started at AD=000000 stopped at AD=040415

>>>File 348 processing for AD=2000 : AD=2006

>>> started at AD=00 stopped at AD=050413

Processing

>>>File 349 processing for AD=1999 : AD=|

>>> started at AD=19990101 stopped at AD=20040623

>>>File 349 processing for AD=2000 : AD=2006

>>> started at AD=20000101 stopped at AD=20050623

131 S26

1633051 AD>1999

1499807 AD=2000 : AD=2006

S27 35 S26 NOT (AD>1999 OR AD=2000:2006)

? idpat

...completed examining records

S28 35 IDPAT (sorted in duplicate/non-duplicate order)

Summary:

S28 has 35 records ordered as follows:

5 patent groups (records 1-14)

21 patent records without duplicates (records 15-35)

Group Table:

Groups	Total in Group	Primary Records	Record Numbers	Duplicates	Record Numbers
G1	5	F348	1-5		
G2	3	F348	6-7		

		F349	8		
G3	2	F348	9		
		F349	10		
G4	2	F348	11	F349	12
G5	2	F348	13	F349	14

1. Show Group Table
2. Show Summary
3. Quit
4. TYPE or PRINT Selected Records
5. TYPE or PRINT Primary and Non-Duplicate Records

Enter an option (e.g., 4).

? 4

Press ENTER to TYPE records or enter PR to PRINT records via e-mail, fax, or postal delivery.

?

Enter format number or two-character display tag(s) (e.g., TI, PA) or enter Q to return to command mode.

? q

Exiting IDPAT.

? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
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OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
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IMPL-		EMENT?)
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OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
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OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
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 S26 131 S23 NOT S25
 S27 35 S26 NOT (AD>1999 OR AD=2000:2006)
 S28 35 IDPAT (sorted in duplicate/non-duplicate order)
 ? t 28/3,k/all

28/3,K/1 (Item 1 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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01784886

Audience measurement system
Zuschauerermittlungssystem
Systeme de mesure d'audience

PATENT ASSIGNEE:

Nielsen Media Research, Inc., (2218160), 299 Park Avenue, New York,
 New

York 10171-0074, (US), (Applicant designated States: all)

INVENTOR:

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 LU, Daozheng, 1903 Dunloe Circle, Duedin, FL 34598, (US)

LEGAL REPRESENTATIVE:

von Samson-Himmelstjerna, Friedrich R. et al (12469), SAMSON &
 PARTNER

Widenmayerstrasse 5, 80538 Munchen, (DE)
 PATENT (CC, No, Kind, Date): EP 1458124 A2 040915 (Basic)
 EP 1458124 A2 040915
 EP 1458124 A3 050518

APPLICATION (CC, No, Date): EP 2003027278 941017;

PRIORITY (CC, No, Date): US 144289 931027

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;

MC;

NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 1213860 (EP 2001126148)

EP 669070 (EP 2094931880)

INTERNATIONAL PATENT CLASS (V7): H04N-007/00; H04N-007/10; H04H-009/00;
H04N-007/173

ABSTRACT WORD COUNT: 158

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English;
English

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Available Text	Language	Update	Word Count
CLAIMS A	(English)	200438	622
SPEC A	(English)	200438	10551
Total word count - document A			11173
Total word count - document B			0
Total word count - documents A + B			11173

...SPECIFICATION it is time to record data. It should be noted that if no

such flagging **event** occurs within some **predetermined** timeout **period**

, and if the television 24 is on, the flag is set anyway in order to assure that a predetermined minimum number of signatures will be extracted during any given **time period**.

If the block 94 **determines** that the flag is not set, the routine 92

is ended and is reentered after a **predetermined** amount of **time**. This

operation avoids unnecessary monitoring of televisions and/or radios which are off. If the...

...94 determines that the flag is set, a block 96 resets the flag, and a

block 97 reads an ancillary **code** in the signal received by the sensor

56, if such a code is present in...

...received by the sensors 56 regardless of whether there is an ancillary

code in the **program** signal.

If the **block** 98 determines that signatures are to be extracted, a block 99 may, if desired, further...

...58. The signal is then analyzed by a block 100 so that one of several

timing methods may be **selected** by a block 102 in order to initiate the

extraction of signatures by a signature extraction block 104. A block 106, by use of a clock such as a **clock** 108 at the statistically **selected** household 12 (Figure 2), either **time** stamps the ancillary **code** read by the **block** 97 or time stamps the signatures extracted

by

the block 104. The block 106 also stores the time stamped ancillary

code
 and/or signature.
 One of the **timing** methods which may be **selected** by the block
 102
 and which may be employed to initiate signature extraction by the...
 ...of about one second; thus, absolute timing is sometimes a useful
 approach.
 Another of the **timing** methods which may be **selected** by the
 block
 102 and which may be employed to initiate signature extraction by
 the...
 ...677,466, signatures may be extracted following a scene change from a
 portion of the **program** signal which is stable.
 The **block** 104 may extract signatures using any of a variety of
 known
 signature extraction methods, such...
 ...by turning a television receiver on at a time H:M:O and viewing an
encoded program until time H:M+3:03, at which time a new program
 appeared on that...
 ...data collected at the local monitoring site 34 to the data collected
 at
 the statistically **selected** household 12. For example, the **time** of
 signature extraction is associated with each extracted signature so
 that
 time intervals between sequentially...
 ...has been previously taught, but this time interval is useful as a
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 parameter in **identifying** non-real **time** viewing.
 Collection of Reference Data
 The extraction of signatures by the reference signature extractor
 72...
 ...site data storage and telecommunication processor 52. At the
 beginning
 of the routine 133, a **block** 134 preprocesses, as desired, the
program
 signal from a corresponding tuner 70. As discussed above, the program
 signal from the tuner...
 ...signal in a manner similar to the block 100 (Figure 3), and a block
 137
determines a suitable **timing** approach for the extraction of
 signatures
 in a manner similar to the block 102 (Figure...
 ...adds a time stamp to the reference signature. This time stamp is
 based
 upon the **time** **indicated** by the **clock** 110 of the reference
 apparatus
 32.
 A block 146 then determines if an ancillary code...

...a program being aired on a channel selected by the tuner 70. If an ancillary **code** is detected, a **block** 148 determines the **program** ID

of the tuned program based upon the detected ancillary code and the code-program...master central office.

The major function of the central office apparatus 36 is that of **identifying** real time viewing. For this process, the central office apparatus 36 retrieves all of the...

...tuning records 120 including an ancillary code, the associated programs

IDs are obtained from the **program - code** library 88, and a **block** 182

stores the resulting corresponding **program** viewing records. These records indicate those programs which were watched at the **indicated times**. This process, however, serves to **identify** both real time viewing and non-real time viewing such as the playback of an in-home recording of an **encoded broadcast program**. A **block** 184

compares

the balance of the tuning records 120 (i.e., those tuning records 120...

...identification step can be avoided. Alternatively, if a program replica

is used to identify one **broadcast** of a non- **encoded program**, that

identification can be automatically **applied** to other **broadcasts** of

the same program at that or other local monitoring sites. Thus, clustering minimizes the...

28/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01730975

Audience measurement system

Zuschauerermittlungssystem

Systeme de mesure d'audience

PATENT ASSIGNEE:

Nielsen Media Research, Inc., (2218160), 299 Park Avenue, New York, New

York 10171-0074, (US), (Applicant designated States: all)

INVENTOR:

Thomas, William L., 7332 South Steel Circle, Littleton CO 90122, (US)

Lu, Daozheng, 1903 Dunloe Circle, Duedin FL 34598, (US)

LEGAL REPRESENTATIVE:

von Samson-Himmelstjerna, Friedrich R. et al (12469), SAMSON & PARTNER

Widenmayerstrasse 5, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1418693 A2 040512 (Basic)

EP 1418693 A3 050518

APPLICATION (CC, No, Date): EP 2003027280 941017;

PRIORITY (CC, No, Date): US 144289 931027

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;

NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
EP 1213860 (EP 2001126148)
EP 669070 (EP 2094931880)
INTERNATIONAL PATENT CLASS (V7): H04N-007/00; H04N-007/10; H04H-009/00;
H04N-007/173
ABSTRACT WORD COUNT: 158
NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200420	312
SPEC A	(English)	200420	10541
Total word count - document A			10853
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and which may be employed to initiate signature extraction by the...

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28/3,K/3 (Item 3 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01730974

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DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC;
NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK
RELATED PARENT NUMBER(S) - PN (AN):
EP 1213860 (EP 2001126148)
EP 669070 (EP 2094931880)
INTERNATIONAL PATENT CLASS (V7): H04N-007/00; H04N-007/10; H04H-009/00;
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LANGUAGE (Publication,Procedural,Application): English; English;
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FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200420	119
SPEC A	(English)	200420	10550
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The major function of the central office apparatus 36 is that of **identifying** real time viewing. For this process, the central office apparatus 36 retrieves all of the...

...tuning records 120 including an ancillary code, the associated programs

IDs are obtained from the **program - code** library 88, and a **block** 182 stores the resulting corresponding **program** viewing records. These records indicate those programs which were watched at the **indicated times**. This process, however, serves to **identify** both real **time** viewing and non-real time viewing such as the playback of an in-home recording of an **encoded broadcast program**. A **block** 184 compares the balance of the tuning records 120 (i.e., those tuning records 120... identification step can be avoided. Alternatively, if a program replica is used to identify one **broadcast** of a non- **encoded program**, that identification can be automatically **applied** to other **broadcasts** of the same program at that or other local monitoring sites. Thus, clustering minimizes the...

28/3,K/4 (Item 4 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01433101
Audience measurement system
Zuschauerermittlungssystem
Systeme de mesure d'audience
PATENT ASSIGNEE:
Nielsen Media Research, Inc., (2218160), 299 Park Avenue, New York, New York 10171-0074, (US), (Applicant designated States: all)
Thomas, William L., (1978360), 7332 South Steele Circle, Littleton, CO 80122, (US), (Applicant designated States: all)
Lu, Daozheng, (1978370), 1903 Dunloe Circle, Dunedin, FL 34698, (US), (Applicant designated States: all)
INVENTOR:
Thomas, William L., 7332 South Steel Circle, Littleton, CO 90122, (US)
Lu, Daozheng, 1903 Dunloe Circle, Duedin, FL 34598, (US)
LEGAL REPRESENTATIVE:

Niederkofler, Oswald A., Dipl.-Phys. et al (83571), Samson & Partner
Widenmayerstrasse 5, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1213860 A1 020612 (Basic)
APPLICATION (CC, No, Date): EP 2001126148 941017;
PRIORITY (CC, No, Date): US 144289 931027
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC;

NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
EP 669070 (EP 94931880)
RELATED DIVISIONAL NUMBER(S) - PN (AN):
(EP 2003027278)
(EP 2003027280)
(EP 2003027279)

INTERNATIONAL PATENT CLASS (V7): H04H-009/00; H04N-007/173
ABSTRACT WORD COUNT: 158

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200224	2509
SPEC A	(English)	200224	10551
Total word count - document A			13060
Total word count - document B			0
Total word count - documents A + B			13060

...SPECIFICATION it is time to record data. It should be noted that if
no

such flagging **event** occurs within some **predetermined** timeout
period

, and if the television 24 is on, the flag is set anyway in order to
assure that a predetermined minimum number of signatures will be
extracted during any given **time period**.

If the block 94 **determines** that the flag is not set, the routine
92

is ended and is reentered after a **predetermined** amount of **time**.
This

operation avoids unnecessary monitoring of televisions and/or radios
which are off. If the...

...94 determines that the flag is set, a block 96 resets the flag, and
a

block 97 reads an ancillary **code** in the signal received by the
sensor

56, if such a code is present in...

...received by the sensors 56 regardless of whether there is an
ancillary

code in the **program** signal.

If the **block** 98 determines that signatures are to be extracted, a
block 99 may, if desired, further...

...58. The signal is then analyzed by a block 100 so that one of
several

timing methods may be **selected** by a block 102 in order to initiate the extraction of signatures by a signature extraction block 104. A block 106, by use of a clock such as a **clock** 108 at the statistically **selected** household 12 (Figure 2), either **time** stamps the ancillary **code** read by the **block** 97 or time stamps the signatures extracted by the block 104. The block 106 also stores the time stamped ancillary code and/or signature.

One of the **timing** methods which may be **selected** by the block 102 and which may be employed to initiate signature extraction by the...

...of about one second; thus, absolute timing is sometimes a useful approach.

Another of the **timing** methods which may be **selected** by the block 102 and which may be employed to initiate signature extraction by the...

...677,466, signatures may be extracted following a scene change from a portion of the **program** signal which is stable.

The **block** 104 may extract signatures using any of a variety of known signature extraction methods, such...by turning a television receiver on at a time H:M:O and viewing an **encoded program** until time H:M+3:03, at which time a new program appeared on that...

...data collected at the local monitoring site 34 to the data collected at the statistically **selected** household 12. For example, the **time** of signature extraction is associated with each extracted signature so that time intervals between sequentially...

...has been previously taught, but this time interval is useful as a search parameter in **identifying** non-real **time** viewing.

Collection of Reference Data

The extraction of signatures by the reference signature extractor 72...

...site data storage and telecommunication processor 52. At the beginning of the routine 133, a **block** 134 preprocesses, as desired, the **program** signal from a corresponding tuner 70. As discussed above, the program signal from the tuner...

...signal in a manner similar to the block 100 (Figure 3), and a block 137 **determines** a suitable **timing** approach for the extraction of signatures

in a manner similar to the block 102 (Figure...

...adds a time stamp to the reference signature. This time stamp is based upon the **time indicated** by the **clock** 110 of the reference apparatus 32.

A block 146 then determines if an ancillary code...
 ...a program being aired on a channel selected by the tuner 70. If an ancillary **code** is detected, a **block** 148 determines the **program ID** of the tuned program based upon the detected ancillary code and the code-program...master central office.

The major function of the central office apparatus 36 is that of **identifying** real time viewing. For this process, the central office apparatus 36 retrieves all of the...

...tuning records 120 including an ancillary code, the associated programs IDs are obtained from the **program - code** library 88, and a **block** 182 stores the resulting corresponding **program** viewing records. These records indicate those programs which were watched at the **indicated times**. This process, however, serves to **identify** both real **time** viewing and non-real time viewing such as the playback of an in-home recording of an **encoded broadcast program**. A **block** 184 compares the balance of the tuning records 120 (i.e., those tuning records 120...

...identification step can be avoided. Alternatively, if a program replica is used to identify one **broadcast** of a non- **encoded program**, that identification can be automatically **applied** to other **broadcasts** of the same program at that or other local monitoring sites. Thus, clustering minimizes the...

28/3,K/5 (Item 5 from file: 348)
 DIALOG(R) File 348:EUROPEAN PATENTS
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00699907

PROGRAM SIGNAL IDENTIFICATION DATA COLLECTOR
ERKENNUNGSDATENKOLLEKTOR FUR PROGRAMSIGNAL
COLLECTEUR DE DONNEES D'IDENTIFICATION D'UN SIGNAL DE PROGRAMME
 PATENT ASSIGNEE:

Nielsen Media Research, Inc., (2218160), 299 Park Avenue, New York, New

York 10171-0074, (US), (Proprietor designated states: all)

INVENTOR:

THOMAS, William, L., 7332 South Steele Circle, Littleton, CO 80122, (US)

LU, Daozheng, 1903 Dunloe Circle, Dunedin, FL 34698, (US)

LEGAL REPRESENTATIVE:

von Samson-Himmelstjerna, Friedrich R., Dipl.-Phys. (12469), SAMSON &
 PARTNER Widenmayerstrasse 5, 80538 Munchen, (DE)
 PATENT (CC, No, Kind, Date): EP 669070 A1 950830 (Basic)
 EP 669070 B1 021218
 WO 95012278 950504
 APPLICATION (CC, No, Date): EP 94931880 941017; WO 94US11795 941017
 PRIORITY (CC, No, Date): US 144289 931027
 DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
 MC;
 NL; PT; SE
 RELATED DIVISIONAL NUMBER(S) - PN (AN):
 EP 1213860 (EP 2001126148)
 INTERNATIONAL PATENT CLASS (V7): H04N-007/00; H04N-007/10; H04H-009/00;
 H04N-007/173

NOTE:

No A-document published by EPO
 LANGUAGE (Publication,Procedural,Application): English; English;
 English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200251	2768
CLAIMS B	(German)	200251	2365
CLAIMS B	(French)	200251	3524
SPEC B	(English)	200251	10866
Total word count - document A			0
Total word count - document B			19523
Total word count - documents A + B			19523

...SPECIFICATION it is time to record data. It should be noted that if
 no

such flagging **event** occurs within some **predetermined** timeout
period

, and if the television 24 is on, the flag is set anyway in order to
 assure that a predetermined minimum number of signatures will be
 extracted during any given **time period**.

If the block 94 **determines** that the flag is not set, the routine
 92

is ended and is reentered after a **predetermined** amount of **time**.

This

operation avoids unnecessary monitoring of televisions and/or radios
 which are off. If the...

...94 determines that the flag is set, a block 96 resets the flag, and
 a

block 97 reads an ancillary **code** in the signal received by the
 sensor

56, if such a code is present in...

...received by the sensors 56 regardless of whether there is an
 ancillary

code in the **program** signal.

If the **block** 98 determines that signatures are to be extracted, a
 block 99 may, if desired, further...

...58. The signal is then analyzed by a block 100 so that one of
 several

timing methods may be **selected** by a block 102 in order to initiate

the
extraction of signatures by a signature extraction block 104. A block
106, by use of a clock such as a **clock** 108 at the statistically
selected household 12 (Figure 2), either **time** stamps the ancillary
code read by the **block** 97 or time stamps the signatures extracted
by

the block 104. The block 106 also stores the time stamped ancillary
code
and/or signature.

One of the **timing** methods which may be **selected** by the block
102

and which may be employed to initiate signature extraction by
the...of

about one second; thus, absolute timing is sometimes a useful
approach.

Another of the **timing** methods which may be **selected** by the
block

102 and which may be employed to initiate signature extraction by
the...

...677,466, signatures may be extracted following a scene change from a
portion of the **program** signal which is stable.

The **block** 104 may extract signatures using any of a variety of
known

signature extraction methods, such...

...by turning a television receiver on at a time H:M:0 and viewing an
encoded program until time H:M+3:03, at which time a new program
appeared on that...

...data collected at the local monitoring site 34 to the data collected
at

the statistically **selected** household 12. For example, the **time** of
signature extraction is associated with each extracted signature so
that

time intervals between sequentially...

...has been previously taught, but this time interval is useful as a
search

parameter in **identifying** non-real **time** viewing.

Collection of Reference Data

The extraction of signatures by the reference signature extractor
72...

...site data storage and telecommunication processor 52. At the
beginning

of the routine 133, a **block** 134 preprocesses, as desired, the
program

signal from a corresponding tuner 70. As discussed above, the program
signal from the tuner...

...signal in a manner similar to the block 100 (Figure 3), and a block
137

determines a suitable **timing** approach for the extraction of
signatures

in a manner similar to the block 102 (Figure...

...adds a time stamp to the reference signature. This time stamp is based

upon the **time indicated** by the **clock 110** of the reference apparatus

32.

A block 146 then determines if an ancillary code...

...a program being aired on a channel selected by the tuner 70. If an ancillary **code** is detected, a **block 148** determines the **program ID**

of the tuned program based upon the detected ...master central office.

The major function of the central office apparatus 36 is that of **identifying** real time viewing. For this process, the central office apparatus 36 retrieves all of the...

...tuning records 120 including an ancillary code, the associated programs

IDs are obtained from the **program - code** library 88, and a **block 182**

stores the resulting corresponding **program** viewing records. These records indicate those programs which were watched at the **indicated times**. This process, however, serves to **identify** both real **time** viewing and non-real time viewing such as the playback of an in-home recording of an **encoded broadcast program**. A **block 184**

compares

the balance of the tuning records 120 (i.e., those tuning records 120...

identification step can be avoided. Alternatively, if a program replica

is used to identify one **broadcast** of a non- **encoded program**, that

identification can be automatically **applied** to other **broadcasts** of

the same program at that or other local monitoring sites. Thus, clustering minimizes the...

28/3,K/6 (Item 6 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01048949

DOWNLOADING OF APPLICATIONS IN A DIGITAL DECODER

FERNLADEN VON ANWENDUNGEN IN EINEN DIGITALEN DECODER

TELECHARGEMENT D'APPLICATIONS DANS UN DECODEUR NUMERIQUE

PATENT ASSIGNEE:

Thomson Licensing, (7064730), 46, quai Alphonse Le Gallo, 92100 Boulogne

Billancourt, (FR), (Proprietor designated states: all)

INVENTOR:

SARFATI, Jean-Claude, 2-4, place d'Oberursel, F-93800 Epinay sur Seine,

(FR)

LEGAL REPRESENTATIVE:

Kohrs, Martin (88662), Thomson multimedia 46, quai A. Le Gallo, 92100

Boulogne-Billancourt, (FR)
PATENT (CC, No, Kind, Date): EP 1025698 A1 000809 (Basic)
EP 1025698 B1 051228
WO 1999022516 990506
APPLICATION (CC, No, Date): EP 98950242 981027; WO 98IB1766 981027
PRIORITY (CC, No, Date): EP 97402561 971028
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT;
LI;
LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): H04N-007/16 ; G06K-019/07
NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200552	593
CLAIMS B	(German)	200552	539
CLAIMS B	(French)	200552	640
SPEC B	(English)	200552	5419
Total word count - document A			0
Total word count - document B			7191
Total word count - documents A + B			7191

...SPECIFICATION the decoder 1, the reader 6 being reserved for the
subscription card associated with the **broadcast** system which
contains
the keys necessary for, inter alia, decoding **scrambled**
transmissions
and verifying downloaded **code** . Upon insertion, the reader checks
the
type of card inserted, by means of a simple handshake signal to the
card.
In the **event** that the reader **identifies** the card as being a card
of
the type containing application code for loading into the machine,
the
decoder will access the first **block** of **code** in the FLASH memory
15 at
the hexadecimal address corresponding to the binary message
indicated...
encrypted by the private key to provide the digital signature.
Other encryption techniques used in **broadcast** digital systems may
also be **applied** , for example, to **encrypt** the **code** according to
one
or more private keys known to the supplier of the application card...

28/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01020865

Downloading of applications in a digital decoder
Fernladen von Anwendungen in einen Decoder
Telechargement d'applications dans un decodeur numerique

PATENT ASSIGNEE:

CANAL+ Societe Anonyme, (1452151), 85/89 Quai Andre Citroen, 75711 Paris

Cedex 15, (FR), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Sarfati, Jean Claude, 2-4 Place d Oberursel, 93800 Epinay Sur Seine, (FR)

LEGAL REPRESENTATIVE:

Cozens, Paul Dennis et al (72971), Mathys & Squire 100 Grays Inn Road,

London WC1X 8AL, (GB)

PATENT (CC, No, Kind, Date): EP 914001 A1 990506 (Basic)

APPLICATION (CC, No, Date): EP 97402561 971028;

PRIORITY (CC, No, Date): EP 97402561 971028

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;

MC; NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-007/16; G06K-019/07;

ABSTRACT WORD COUNT: 110

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9918	401
SPEC A	(English)	9918	3957
Total word count - document A			4358
Total word count - document B			0
Total word count - documents A + B			4358

...SPECIFICATION the decoder 1, the reader 6 being reserved for the subscription card associated with the **broadcast** system which contains

the keys necessary for, inter alia, decoding **scrambled** transmissions

and verifying downloaded **code** . Upon insertion, the reader checks the

type of card inserted, by means of a simple handshake signal to the card.

In the **event** that the reader **identifies** the card as being a card of

the type containing application code for loading into the machine, the

decoder will access the first **block** of **code** in the FLASH memory 15 at

the hexadecimal address corresponding to the binary message indicated...

...the machine. Unverified code will be rejected by the decoder.

Other encryption techniques used in **broadcast** digital systems may also be **applied** , for example, to **encrypt** the **code** according to one

or more private keys known to the supplier of the application card...

28/3,K/8 (Item 8 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00491164 **Image available**

DOWNLOADING OF APPLICATIONS IN A DIGITAL DECODER

TELECHARGEMENT D'APPLICATIONS DANS UN DECODEUR NUMERIQUE

Patent Applicant/Assignee:

CANAL+ SOCIETE ANONYME,

SARFATI Jean-Claude,

Inventor(s):

SARFATI Jean-Claude,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9922516 A1 19990506

Application: WO 98IB1766 19981027 (PCT/WO IB9801766)

Priority Application: EP 97402561 19971028

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH

GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW

MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU
ZW

GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE
DK

ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR
NE

SN TD TG

Publication Language: English

Fulltext Word Count: 6228

Fulltext Availability:

Detailed Description

Detailed Description

... the decoder 1, the reader 6 being reserved for the subscription card

associated with the **broadcast** system which contains the keys necessary

for, inter alia, decoding **scrambled** transmissions and verifying downloaded **code**. Upon insertion, the reader checks the type of card inserted, by means of a simple handshake signal to the card. In the **event** that the reader **identifies** the card as being a card of the type

containing application code for loading into the machine, the decoder will access the first **block** of **code** in the FLASH memory 15 at the hexadecimal address corresponding to the binary message indicated... encrypted by the private key to provide the digital signature.

Other encryption techniques used in **broadcast** digital systems may also

be **applied**, for example, to **encrypt** the **code** according to one or

more private keys known to the supplier of the application card...

DIALOG(R)File 348:EUROPEAN PATENTS
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01015985

GLOBAL CONDITIONAL ACCESS SYSTEM FOR BROADCAST SERVICES
GLOBALES BEDINGTES ZUGANGSSYSTEM FUR RUNDFUNKDIENSTE
ACCES CONDITIONNEL GLOBAL A DES SERVICES DE TELEDIFFUSION

PATENT ASSIGNEE:

Thomson Multimedia Inc., (4150292), 10330 North Meridian St.,
Indianapolis, IN 46290-1024, (US), (Proprietor designated states:
all)

INVENTOR:

ESKICIOGLU, Ahmet, Mursit, 8235 Lakeshore Trail No. 125,
Indianapolis, IN
46250, (US)

LEGAL REPRESENTATIVE:

Kohrs, Martin et al (88661), Thomson multimedia 46, quai A. Le Gallo,
92648 Boulogne-Billancourt Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 988754 A1 000329 (Basic)
EP 988754 B1 041222
WO 1998056180 981210

APPLICATION (CC, No, Date): EP 98926327 980605; WO 98US11634 980605

PRIORITY (CC, No, Date): US 48852 P 970606

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS (V7): H04N-007/167; H04N-007/16; H04N-005/00

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200452	921
CLAIMS B	(German)	200452	910
CLAIMS B	(French)	200452	1026
SPEC B	(English)	200452	3316
Total word count - document A			0
Total word count - document B			6173
Total word count - documents A + B			6173

...SPECIFICATION s private key, KSPpri. The encrypted message may
include

information or data corresponding to the **selected** event and an
event

key, KSPEvent.

In the same manner as for EPG 580 in...

...message corresponding to an event listed in the electronic program
guide

would have an associated **encrypted** message. This encrypted message
would only contain information related to the event, that is, the
event

key would not be included. In such an embodiment, public key
cryptography

may be **used** to **encrypt** the **broadcast** event. The electronic
program

guide must still be authenticated in STB 400 as described above.

However, the decrypted message only contains information

corresponding to
the **selected event** . This information is stored and must be used
by SC
420 to determine the private...

28/3,K/10 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Univentio. All rts. reserv.

00465715 **Image available**

GLOBAL CONDITIONAL ACCESS SYSTEM FOR BROADCAST SERVICES
ACCES CONDITIONNEL GLOBAL A DES SERVICES DE TELEDIFFUSION

Patent Applicant/Assignee:

THOMSON CONSUMER ELECTRONICS INC,
ESKICIOGLU Ahmet Mursit,

Inventor(s):

ESKICIOGLU Ahmet Mursit,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9856180 A1 19981210

Application: WO 98US11634 19980605 (PCT/WO US9811634)

Priority Application: US 9748852 19970606

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH
GM

GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW
MX

NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
GH

GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK
ES

FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN
TD

TG

Publication Language: English

Fulltext Word Count: 4389

Fulltext Availability:

Detailed Description

English Abstract

A method for managing access to a **scrambled event** , **selected**
from
an electronic **program** guide, of a service provider (including
broadcast television networks, cable television networks, digital
satellite systems, and internet service providers). Access to the...

Detailed Description

... s

private key, KSPpri. The encrypted message may include information
or data corresponding to the **selected event** and an event key,
KSPEvent.

In the same manner as for EPG 580 in...

...message corresponding to an event listed in the electronic program guide would have an associated **encrypted** message. This encrypted message would only contain information related to the event, that is, the event key would not be included.

In

such an embodiment, public key cryptography may be **used** to **encrypt** the **broadcast** event. The electronic **program** guide must still be authenticated in STB 400 as described above. However, the decrypted message only contains information corresponding to the **selected event**. This information is stored and must be used by SC 420 to determine the private...

28/3,K/11 (Item 11 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00638003

APPARATUS AND METHOD USING COMPRESSED CODES FOR SCHEDULING BROADCAST

INFORMATION RECORDING

VORRICHTUNG UND VERFAHREN ZUM PROGRAMMIEREN VON AUFZEICHNUNGEN VON

RUNDFUNKINFORMATIONEN MITTELS KOMPRIMIERTER KODES

APPAREIL ET METHODE METTANT EN OEUVRE DES CODES COMPRIMES POUR LA

PROGRAMMATION D'UN ENREGISTREMENT D'INFORMATIONS DIFFUSEES

PATENT ASSIGNEE:

GEMSTAR DEVELOPMENT CORPORATION, (1777701), Suite 870, 135 N. Los Robles

Avenue, Pasadena, CA 91101, (US), (Proprietor designated states: all)

INVENTOR:

Yuen, Henry C., P.O. Box 1159, Redondo Beach, CA 90278, (US)

Kwoh, Daniel S., 3975 Hampstead Road, La Canada/Flintridge, CA 91011, (US)

LEGAL REPRESENTATIVE:

Enskat, Michael Antony Frank (50381), Saunders & Dolleymore, 9, Rickmansworth Road, Watford, Hertfordshire WD1 7HE, (GB)

PATENT (CC, No, Kind, Date): EP 619058 A1 941012 (Basic)

EP 619058 A1 941207

EP 619058 B1 991103

WO 9312612 930624

APPLICATION (CC, No, Date): EP 93900150 921211; WO 92US10750 921211

PRIORITY (CC, No, Date): US 806152 911211

DESIGNATED STATES: AT; BE; DE; DK; ES; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS (V7): H04N-005/76; H04N-005/782

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9944	2245
CLAIMS B	(German)	9944	2045
CLAIMS B	(French)	9944	2457

SPEC B	(English)	9944	21242
Total word count - document A			0
Total word count - document B			27989
Total word count - documents A + B			27989

...SPECIFICATION a flowchart of the method for encoding channel, time and

length (CTL) for an information **broadcast** into an I code. This process

is done "offline" and can be implemented on a...

...such as shown in FIGs. 29a and 29b. In general the I codes are **encoded**

to be compressed **coded** indications, each representative of, and compressed in length from, the combination of separate channel, start **time** and a length **indications**. In print advertisement and also in television **broadcasts**, there is simply not enough area to separately

spell out the channel, start time, and...932 by one month. The scramble

time spans 930, 932 and so on, can be **designated** by a validity **period**

code "0". The offset **scramble** time spans 934, 936 and so on can be

designated by a "1". Suppose there is a validity period 938 for one week

for a I **code** 854, then the **scramble** method **selected** would be those

valid during **time** span 930. time span 932 and so on and the validity

period code for that...FIG. 31. The first step is the extract validity

period code step 866. The validity **period** code 867 **indicates**, which

of two skewed in **time** scrambling methods to use. The scramble method

878 selected by scramble function 870 also depends...

...implemented by microcomputer 380 in FIGs. 21 and 22. The clock 876 has

the current **time**, **day**, month and year. The **selected** scramble method

878 is **used** in the invert **scramble** of I **code** step 880. For the example given above, the output of step 880 would be: 319...

...CLAIMS channel, time and length;

comparing the time-of-day commands to the output of a **clock** for a **predetermined** relation;

selecting the channel specified in the channel command after the predetermined relation is found to exist...

...the steps of:

extracting a validity period code from said compressed code;

using said validity **period** **code** to **select** a **scramble** method

for

unscrambling said compressed **code** to obtain an unscrambled compressed code;

converting groups of decimal numbers of said unscrambled compressed...

...recorder of a channel of video signals specified by a channel command

beginning at the **time -of- day** specified by a **time -of- day** command on a **desired** date and for the length of **time specified** by a length command comprising the steps of: receiving compressed coded indications, each representative of...

28/3,K/12 (Item 12 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00238348 **Image available**

APPARATUS AND METHOD USING COMPRESSED CODES FOR SCHEDULING BROADCAST

INFORMATION RECORDING

APPAREIL ET METHODE METTANT EN OEUVRE DES CODES COMPRIMES POUR LA

PROGRAMMATION D'UN ENREGISTREMENT D'INFORMATIONS DIFFUSEES

Patent Applicant/Assignee:

YUEN Henry C,
KWOH Daniel S,

Inventor(s):

YUEN Henry C,
KWOH Daniel S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9312612 A1 19930624

Application: WO 92US10750 19921211 (PCT/WO US9210750)

Priority Application: US 91152 19911211

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO

NZ PL RO RU SD SE AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ

CF CG CI CM GA GN ML MR SN TD TG

Publication Language: English

Fulltext Word Count: 27608

Fulltext Availability:

Detailed Description
Claims

Detailed Description

... a flowchart of the method for encoding channel, time and length (CTL)

for an information **broadcast** into an I code. This process is done "offline" and can be implemented on a...

...such as shown in FIGs. 29a and 29b. In general the I codes are **encoded**

to be compressed **coded** indications, each representative of, and

compressed in length from, the combination of separate channel, start **time** and a length **indications** . In print advertisement and also in television **broadcasts** , there is simply not enough area to separately

spell out the channel, start time, and...932 by one month. The scramble

time spans 930, 932 and so on, can be **designated** by a C@

validity **period code** "O". The offset **scramble** time spans 934, 936

and so on can be designated by a " I ". Suppose there is a validity period 938 for one week for a I **code**

4D

854, then the **scramble** method **selected** would be those valid during

time span 930, time span 932 and so on and the validity period code for

that...FIG. 31. The first step is the extract validity period code step,

866. The validity **period code** 867 **indicates** , which of two skewed in

time scrambling methods to use.

t.D

The, scramble method 878 selected by scramble function 870...

...implemented by microcomputer 380 in FIGs. 21 and 22. The clock 876 has

the current **time** , **day** , month and year. The **selected** scramble, method 878 is **used** in the invert **scramble** of I **code** step 880-

For

the example given above, the output of

t)

step 880 would be...

Claim

... and leng h;

.'t

comparing the time-of-day commands to the output of a **clock** for a **predetermined** relation,

selectincr the -clTannel specified in the channel command after the predetermined relation is found...

...of:

extractina a validity period code from @:aid compressed code;

r>

usina said validity period **code** to stiect a **scramble** method for ID

unscramblincr said compressed code to obtain a unsci ambled compressed

code;

converting...

28/3,K/13 (Item 13 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00614608

**METHOD AND APPARATUS FOR PROVIDING PERIODIC SUBSCRIPTION
TELEVISION**

**SERVICES
VERFAHREN UND GERAT ZUR VERSORGUNG MIT
PERIODISCHEN**

**FERNSEHABONNEMENT-DIENSTEN
PROCEDE ET APPAREIL PERMETTANT L'ABONNEMENT PERIODIQUE A DES
SERVICES DE
TELEVISION**

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 645068 A1 950329 (Basic)
EP 645068 A1 950614
EP 645068 B1 001115
WO 9326121 931223

APPLICATION (CC, No, Date): EP 93915138 930601; WO 93US5021 930601

PRIORITY (CC, No, Date): US 896582 920610

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC;

NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-007/167; H04N-007/173; H04N-
007/16

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200046	1656
CLAIMS B	(German)	200046	1546
CLAIMS B	(French)	200046	1834
SPEC B	(English)	200046	16916
Total word count - document A			0
Total word count - document B			21952
Total word count - documents A + B			21952

...SPECIFICATION in-use or on or is not in-use or is off.

In prior art **pay-per-view** systems, a block of data 403 is
allocated

to particularly **identify pay-per-view program or event** .
Such

a **block** may comprise from 10 to 32 bits of data which may be
encoded to

secure...

...such data 403 must taken into consideration what data must be included

within the data **block** . In particular, data **code** 404 may particularly represent at least a premium channel number. Since the number of channels

...

...providing a periodic subscription service, no channel number or channel

data 406 normally used in **pay - per - view** service need be provided or

stored. An absence of channel data may signal service denial...

...provide service on all regular service channels and deny service on all

premium channels. Furthermore, **using** redundant data of the **block** representing data **code** 404, a periodic service code may be designed to

signal authorization of all regular service...402 and data 403.

Briefly described, the periodic service authorization communications

comprise three normally related **pay -per-view** communications initiated

via the system manager computer 16 as will be further described...

...be presented with a plurality of screen displays from which the user inputs a particular **periodic** service offering or **selects** an existent

offering which is automatically **encoded** into a particular service **code**

404 as already described above in connection with Figure 4a. Upon receipt at service denial apparatus, the subscribers' PPV event and service code data of memory 270 is searched to **determine** if the

pay -

per - view event or periodic service offering is already loaded in memory 270. If so, no action is...

...loaded, the controller 260 actuates a random selection of a memory address and loads the **event** or service code into the **selected** address. In the selection process, an address from all available addresses may be picked at...

28/3,K/14 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00251822

METHOD AND APPARATUS FOR PROVIDING PERIODIC SUBSCRIPTION TELEVISION

SERVICES

PROCEDE ET APPAREIL PERMETTANT L'ABONNEMENT PERIODIQUE A DES SERVICES DE

TELEVISION

Patent Applicant/Assignee:

SCIENTIFIC-ATLANTA INC,
Inventor(s):

EDWARDS Robert J,
DURDEN Gregory S,
PARIKH Himanshu,
BORSETTI Paul Jr,
RUSTAGI Vibha,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9326121 A1 19931223
Application: WO 93US5021 19930601 (PCT/WO US9305021)
Priority Application: US 92896582 19920610

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 19484

Fulltext Availability:
Detailed Description

Detailed Description

... providing a periodic subscription service, no channel number or channel data 406 normally used in **pay - per - view** service need be provided or stored. An absence of channel data may signal service denial

...

...provide service on all regular service channels and deny service on all premium channels.

Furthermore, **using** redundant data of the **block** representing data **code** 404, a periodic service code may be designed to signal authorization of all regular service...user inputs a particular periodic

service offering or selects an existent offering which is automatically

encoded into a particular service **code** 404 as already described above

in connection with Figure 4a. Upon receipt at service denial apparatus,

the subscribers' PPV event and service code data of memory 270 is searched to **determine** if the **pay - per - view event** or periodic service offering is already loaded in memory 270. If so, no action is...

...loaded, the controller 260 actuates a random selection of a memory address and loads the **event** or service code into the **selected** address. In the selection process, an address from all available addresses may be picked at...

28/3,K/15 (Item 15 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01291320

Apparatus and method for digital data transmission
Vorrichtung und Verfahren zur digitalen Datenubertragung
Dispositif et procede de transmission de donnees numeriques
PATENT ASSIGNEE:

Terayon Communication Systems, Inc., (2769080), 2952 Bunker Hill Lane,

Santa Clara, CA 95054, (US), (Applicant designated States: all)
INVENTOR:

Rakib, Selim Shlomo, 10271 West Acres, Cupertino, California 95014, (US)

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LEGAL REPRESENTATIVE:

Brax, Matti Juhani (85201), Berggren Oy Ab, P.O. Box 16, 00101 Helsinki, (FI)

PATENT (CC, No, Kind, Date): EP 1107597 A2 010613 (Basic)
EP 1107597 A3 010829

APPLICATION (CC, No, Date): EP 2001104535 960725;

PRIORITY (CC, No, Date): US 519630 950825; US 588650 960119; US 684243 960719

DESIGNATED STATES: BE; DE; FR; GB; IE; NL

RELATED PARENT NUMBER(S) - PN (AN):

EP 858695 (EP 96927270)

INTERNATIONAL PATENT CLASS (V7): H04N-007/173; H04L-012/28; H04J-011/00;

H04J-013/02; H04J-003/06; H04B-001/707; H04L-005/02

ABSTRACT WORD COUNT: 143

NOTE:

Figure number on first page: 49

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200124	2890
SPEC A	(English)	200124	67866
Total word count - document A			70756
Total word count - document B			0
Total word count - documents A + B			70756

...SPECIFICATION rate will rise.

Typically, channel bandwidths are 6 mHz. and spectral efficiency of 27 megabits/ **second** /Hertz is **desired** . Therefore, a data transfer rate of 162 x 10¹²) is achievable over one channel at...

...second/Hertz or less so this modulation scheme is too slow for high traffic volume **applications** such as **video** on **demand** , **video** teleconferencing etc.

Another approach that has been tried in the prior art is frequency division...maximum overlap between the barker code transmitted by the CU

and the received signal. The **timing** of this peak **indicates** the alignment state of the RU that transmitted the barker code which

resulted
in the...

...not cause errors in the interpretation of symbol 66 by the CU receiver.
Each symbol **encoded** in the **code** domain includes error detection and correction bits (ECC bits) such that any errors that occur...the process of block 186 is performed. In the process of block 186, the CU **broadcasts** a message to all RUs telling them to adjust their delays and to try again to hit the gap with their barker **code** transmissions. Then, the process of **block** 188 is **performed** wherein each RU trying to synchronize increments its delay vector and retransmits the same barker
...

28/3,K/16 (Item 16 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01018212

Digital broadcast receiver
Digitaler Rundfunkempfänger
Systeme de transmission numerique

PATENT ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho, Saiwai-ku,
Kawasaki-shi, Kanagawa-ken 210-8572, (JP), (Applicant designated
States: all)

INVENTOR:

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Machida, Hiroshi, c/o I.P.D. Toshiba Corporation, 1-1-1, Shibaura,
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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 912057 A2 990428 (Basic)
EP 912057 A3 000126

APPLICATION (CC, No, Date): EP 98308765 981027;

PRIORITY (CC, No, Date): JP 97294223 971027; JP 97321632 971121; JP
986750

980116

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04N-007/16

ABSTRACT WORD COUNT: 84

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count

CLAIMS A (English)	9917	2007
SPEC A (English)	9917	21333
Total word count - document A		23340
Total word count - document B		0
Total word count - documents A + B		23340

...SPECIFICATION the receiving apparatus side. When the receiving apparatus

belonged to a subscription user receives the **broadcast** signal transmitted by being encrypted, it decrypts the **broadcast** signal by decrypting within the IC card loaded to the receiver main unit, so that

...
...signal and supplies to the television receiver. Accordingly, the user is

possible to view the **broadcast program** which is processed the **encryption**.

Concretely, to a tuner/demodulator A105, shown in FIGURE 1, the digital

broadcast signal, which is frequency, multiplexed and time division multiplexed is supplied via the terminal A104...

...tuner/demodulator A105 selects the signal with a carrier frequency corresponding to the program signal **selected** by viewers, at the same

time it demodulates it and supplies to an error corrector A106.

Generally, on the transmission of...block decoder C72. The block decoder

C72 restores the input program signal to the original **program** signal by

block-decrypting by **using** the encryption-key information. The decrypted program signal is then output through a terminal C73...

...of the embodiment configured as mentioned above will be described.

In this embodiment, for instance, **broadcast** signals not encrypted at

the transmitter side are received at the receiver side likewise the embodiment, as shown in FIGURE 5. This **broadcast** signal is tuned, demodulated, error corrected and supplied to the encryptor C65 as in the

...
...from the controller C67 to the block encryptor C69 of the encryptor C65

and the **block encryptor** C69 **encrypts** the **program** signal **using**

the key information.

The **program** signal from the **encryptor** C65 are supplied to IC card

from the terminal C70 through the IC card interface...

...to the block decoder C72 of the decryptor C66 from the controller C66

and the **block** decoder C72 decodes the input **program** signal **using** the key information. Thus, the original program signal is obtained.

The

decrypted program signal is output via a terminal C73.

Thus, in this embodiment, even if **broadcast** signals which are not

encrypted at the transmitter side are processed by IC card, an
...from
16T delay circuit B4011 to 1T delay circuit B4019 and these bypass
signals are **selected** therein, and the delay **time** from the input
terminal B4010 to the output terminal B4021 is voluntarily set among
delay...
...TV program and other programs 2 and 3 are free program signals, here
only the **program 1** is **encrypted**.
In this case, as explained in the conventional embodiment, only the
packet of the program...scope of some or all of the following claims.
The
fact that the applicant has **chosen** at the **time** of filing of the
present **application** to **restrict** the claimed scope of protection
in
accordance with the following claims is not to be...

28/3,K/17 (Item 17 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01004492

**Method and apparatus for receiving and processing digital broadcast
signals**
**Verfahren und Vorrichtung für den Empfang und die Verarbeitung
von**
digitalen Rundfunksignalen
Methode et dispositif pour la réception et le traitement de
signaux de
radiodiffusion numériques

PATENT ASSIGNEE:

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INVENTOR:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 905932 A2 990331 (Basic)
EP 905932 A3 041208

APPLICATION (CC, No, Date): EP 98307884 980929;

PRIORITY (CC, No, Date): JP 97267552 970930

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04H-001/00; H04N-005/00

ABSTRACT WORD COUNT: 109

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count

CLAIMS A (English)	9913	1628
SPEC A (English)	9913	8106
Total word count - document A		9734
Total word count - document B		0
Total word count - documents A + B		9734

...SPECIFICATION time period contained in the reception limitation information obtained in step S22 in order to **determine** whether or not the present time is included in the allowable reception time period. When
...

...the allowable reception time period (NO), the process is terminated (END). Also, when it is **determined** that the present **time** is in the allowable reception time period (YES), the process proceeds to step S27.

In step S27, the reproduction of the **broadcastings** program is started.

According to a process such as the above, in the case where a child **lock** is **applied** to the **program** to be viewed, this **lock** can be detected to limit the viewing. Not only in a case in which the...

28/3,K/18 (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00846549

MULTI-MEDIA RECEIVER AND SYSTEM THEREFOR
MULTI-MEDIA EMPFANGER UND SYSTEM DAFUR
RECEPTEUR MULTIMEDIA ET SYSTEME AFFERENT

PATENT ASSIGNEE:

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(US), (Proprietor designated states: all)

INVENTOR:

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(US)

LEGAL REPRESENTATIVE:

Morgan, Marc et al (74603), Motorola European Intellectual Property Operations, Midpoint, Alencon Link, Basingstoke, Hampshire RG21 7PL,

(GB)

PATENT (CC, No, Kind, Date): EP 882370 A2 981209 (Basic)
EP 882370 B1 021009
WO 97008837 970306

APPLICATION (CC, No, Date): EP 96921616 960617; WO 96US10349 960617

PRIORITY (CC, No, Date): US 516596 950818

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS (V7): H04Q-007/14

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200241	960
CLAIMS B	(German)	200241	899
CLAIMS B	(French)	200241	1133
SPEC B	(English)	200241	6504
Total word count - document A			0
Total word count - document B			9496
Total word count - documents A + B			9496

...SPECIFICATION memory, coupled to said receiver, for storing messages received, and further for storing individual digitally **encoded** multi-media event **files** and the multi-media command files; a presentation device for presenting a multi-media event...

...user interface and the multi-media command file selected by the user for

controlling concurrently **selective** retrieval of text **event** files from

the one or more text event files, of graphics event files from the...

...substantially concurrent presentation of the text event files, the graphics event files, and the audio **event** files which are **selectively**

retrieved, when the **event** files required to generate the multi-media

event presentation have been received and stored in...

...a controller for controlling preparation and transmission of a multi-media presentation comprising individual digitally **encoded** multi-media **files** including one or more ...102 through a public switched telephone network (PSTN) 104 and a PSTN connection 120. The **multi - media** messaging terminal 106 **encodes** the **files** received from

the **multi - media** terminal 116 or the message received from the paging

user as paging messages and places the encoded message in a transmission

queue. Paging messages are also herein referred to as **selective** call

messages. At an appropriate **time**, the message is transmitted by the paging transmitter 108 via transmitting antenna 110. It will...a second

buffer 308, text event files are stored in the third buffer 310 and **multi - media** command files are stored in a fourth buffer 312. The outputs of the first buffer...

...the fourth buffer 312 are coupled to four frame encoders 314 which encode the data **using** a (32,21) BCH **code** word format.

The **encoded code** words from the four frame **encoders** 314 are interleaved on a bit by bit basis in an interleaver and phase multiplexer

...

...CLAIMS coupled to said receiver (1204), for storing messages received,

and further for storing individual digitally **encoded** multi-media

event **files** and the multi-media command files;
a presentation device (1226) for presenting a multi-media...

...interface (1224) and the multi-media command file selected by the user
for controlling concurrently **selective** retrieval of text **event** files from the one or more text event files, of graphics event files
from the...

28/3,K/19 (Item 19 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00716507

Controlling recording devices.
Steuerung von Aufnahmegeraten.
Commande de dispositifs d'enregistrement.

PATENT ASSIGNEE:

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Kal

Cheung Road, Kowloon Bay, Kowloon, Hong Kong, (HK), (applicant
designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 679026 A1 951025 (Basic)

APPLICATION (CC, No, Date): EP 94203093 941102;

PRIORITY (CC, No, Date): US 229296 940418

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC;

NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-005/782; H04N-007/16;

ABSTRACT WORD COUNT: 78

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	1193
SPEC A	(English)	EPAB95	4904
Total word count - document A			6097
Total word count - document B			0
Total word count - documents A + B			6097

...SPECIFICATION command and transmits the commands. Processors set to
record the particular channel associated with the **broadcast** OFF or
ON

command respond to the command to control the associated VCR
appropriately.

The...

...stored in the processor. Users can access the table and cycle through entries of the **schedule** table to find **desired** programming. Programs to be recorded are identified by name, and the processor will start and stop the VCR at the appropriate time, and eliminate commercials during the **broadcast**, if desired by the user. Each processor is individually addressable, and can be remotely **activated**, **deactivated** or **programmed**. The latter feature allows a user that has not preselected a particular channel for recording...digital word, processor 180 advances to step 510. Step 510 determines a type of the **broadcast** using the data packet 200 identified in Fig. 2, and as described above. Specifically, after determining the **broadcast** type, processor 180 advances to step 515 to test whether the data type is the Kill/OK command. If the received **broadcast** was a Kill/OK **code**, processor 180 selectively **deactivates** or **activates** itself, as appropriate, then returns to step 505. If the test at step 515 indicates...

28/3,K/20 (Item 20 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00676054

Local area network peripheral lock method and system
Verfahren und System zur Verriegelung der Peripherieeinheiten in einem

lokalen Netz
Methode et systeme pour verrouillage des unites peripheriques dans un
reseau local

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,

Armonk, N.Y. 10504, (US), (Proprietor designated states: all)
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PATENT (CC, No, Kind, Date): EP 647896 A1 950412 (Basic)
EP 647896 B1 010711
APPLICATION (CC, No, Date): EP 94480081 940906;
PRIORITY (CC, No, Date): US 134014 931007
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-001/00; H04L-029/06
ABSTRACT WORD COUNT: 149

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	847
CLAIMS B	(English)	200128	806
CLAIMS B	(German)	200128	618
CLAIMS B	(French)	200128	878
SPEC A	(English)	EPAB95	4023
SPEC B	(English)	200128	4315
Total word count - document A			4871
Total word count - document B			6617
Total word count - documents A + B			11488

...SPECIFICATION method of Fig. 2 is terminated, step 41.

The workstations 13 respond to the communications broadcast by entering the workstation response method shown in Fig. 3. The workstation

response method is initiated by receipt of a communications **broadcast**

from the host computer 25, step 61. The method of Fig. 3 is **implemented**

as a **terminate** and stay resident **program** (TSR) on each workstation.

The TSR is loaded because it is either part of an...

...startup program execution. The TSR is installed on the workstation at or

directly after boot **time**. The workstation 13 programmatically **determines** from the message whether the predicate condition of the communications **broadcast** includes the workstation 13, step 63. The predicate may include a check to see that...

...SPECIFICATION method of Fig. 2 is terminated, step 41.

The workstations 13 respond to the communications **broadcast** by entering the workstation response method shown in Fig. 3. The workstation

response method is initiated by receipt of a communications **broadcast**

from the host computer 25, step 61. The method of Fig. 3 is **implemented**

as a **terminate** and stay resident **program** (TSR) on each workstation.

The TSR is loaded because it is either part of an...

...startup program execution. The TSR is installed on the workstation

at or

directly after boot **time** . The workstation 13 programmatically **determines** from the message whether the predicate condition of the communications **broadcast** includes the workstation 13, step 63. The predicate may include a check to see that...

28/3,K/21 (Item 21 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00601624

Method for identifying a programme in an audience measurement system

Verfahren zur Programmidentifikation in einem

Zuschauerermittlungssystem

Methode pour l'identification de programmes dans un systeme de mesure

d'audience

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 593202 A1 940420 (Basic)

EP 593202 B1 970312

APPLICATION (CC, No, Date): EP 93307948 931006;

PRIORITY (CC, No, Date): GB 9221678 921015

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
NL;

PT; SE

INTERNATIONAL PATENT CLASS (V7): H04H-009/00; H04H-001/00;

ABSTRACT WORD COUNT: 150

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	1818
CLAIMS B	(English)	EPAB97	2221
CLAIMS B	(German)	EPAB97	2040
CLAIMS B	(French)	EPAB97	2401
SPEC A	(English)	EPABF2	7603
SPEC B	(English)	EPAB97	7801
Total word count - document A			9423
Total word count - document B			14463
Total word count - documents A + B			23886

...SPECIFICATION less than n.

It will be apparent from the above that, by the capture of **encoded**

data obtained from the **program** content of programmes in a programme stream together with time of receipt, it is possible to **determine time**

and stream without relying on additional codes or markers in a programme stream, without relying...

...of the invention, there is provided apparatus for monitoring a receiver

and comprising means for **encoding** the **programme** content of a stream

during its receipt, timing means for including current time-of-receipt...

...SPECIFICATION greatly simplified compared to most current monitoring techniques.

US-A-5019899 discloses one possibility for **programme** identification

using program stream **encoding**. However this is specifically designed

for commercials recognition and require prior knowledge of the **broadcast**

material, i.e. there is a fixed database of multibit signatures and at a receiver...less than n.

It will be apparent from the above that, by the capture of **encoded** data obtained from the **program** content of programmes in a programme stream together with time of receipt, it is possible to **determine time**

and stream without relying on additional codes or markers in a programme stream, without relying...

...a recording later played back via the receiver.

Thus, a preferred embodiment comprises means for **encoding** the **programme** content of a stream during its receipt, timing means for including current time-of-receipt...

...CLAIMS measurements of said parameter at at least some of said known positions, the time of **broadcast** of each stream portion relating to

the measurements being known; and
(c) means (10) for...

...of reference data measurements having the same position in the stream

and substantially the same **time** of broadcast to **identify** a correlation therebetween.

33. An apparatus, for **encoding** a **programme** stream displayed at a TV

receiver, comprises means (29, 32) for measuring the signal of...

...less than n.

34. An apparatus for monitoring a receiver and comprising means (29) for

encoding the **programme** content of a **programme** stream during its

receipt, timing means (30) for including current time-of-receipt

data
in...

28/3,K/22 (Item 22 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00538379

Virtual channels for a multiplexed analog component (MAC) television system

Virtuelle Kanäle für ein Multiplexanalogkomponentenfernsehsystem (MAC)
Canaux virtuels pour un système de télévision à composante analogique multiplexée

PATENT ASSIGNEE:

SCIENTIFIC-ATLANTA, INC., (353654), One Technology Parkway South,
Norcross, GA 30092-2967, (US), (applicant designated states:
AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;MC;NL;PT;SE)

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 508654 A2 921014 (Basic)
EP 508654 A3 940525
EP 508654 B1 990107

APPLICATION (CC, No, Date): EP 92302676 920327;

PRIORITY (CC, No, Date): US 677555 910329

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; MC;
NL;

PT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-007/173; H04N-007/087; H04N-
007/00;

H04N-005/60; H04N-011/08; H04N-007/167; H04N-011/00;

ABSTRACT WORD COUNT: 119

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9901	545
CLAIMS B	(German)	9901	535
CLAIMS B	(French)	9901	673
SPEC B	(English)	9901	7655
Total word count - document A			0
Total word count - document B			9408
Total word count - documents A + B			9408

...SPECIFICATION 106 recovers the key from the received signal, stores

it
in key memory 107 and **applies** it to **program** descrambler 108 which
descrambles the **scrambled program** received over satellite link
105,
and outputs unscrambled program 109.
Figure 3 shows the overall...

...As is conventional in television, 30 "frames" each comprising a
still

image are transmitted per **second** as **indicated**. Each frame
includes

two "fields," as also shown. In a preferred embodiment of the
invention

...1) Tier bit matches

(2) A program has been bought locally, i.e., using impulse **pay -**
per
- view

(3) A program was bought previously i.e., via phone call to
headend

(4) A program is allowed free **time** and was **selected**

(5) A **program** is granted preview time

(6) **Encryption** is off

Exemplary impulse **pay - per - view** systems are described, for
example, in U.S. Patent Nos. 4,163,254 and 4...

28/3,K/23 (Item 23 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00454783

Method of transmitting data in RDS broadcasting.

Datenubertragungsverfahren bei RDS-Rundfunk.

Procede de transmission de donnees par radiodiffusion RDS.

PATENT ASSIGNEE:

PIONEER ELECTRONIC CORPORATION, (537920), No. 4-1, Meguro 1-chome,
Meguro-ku Tokyo 153, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

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PATENT (CC, No, Kind, Date): EP 495136 A2 920722 (Basic)

EP 495136 A3 930317

APPLICATION (CC, No, Date): EP 91100403 910115;

PRIORITY (CC, No, Date): EP 91100403 910115

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04H-001/00;

ABSTRACT WORD COUNT: 169

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count

CLAIMS A (English) EPABF1 332

SPEC A	(English)	EPABF1	6371
Total word count - document A			6703
Total word count - document B			0
Total word count - documents A + B			6703

...ABSTRACT as the data in the third and fourth blocks in each group, so

that the **broadcasting** station name can be promptly displayed. As another feature, the PI code of the station itself is transmitted as the

PI **code** in the first **block** in one group and, if a station which **broadcasts** a program different from the program of the station itself

for only a **predetermined time** zone exists in the same network stations, the PI code of such a station is transmitted as the PI **code**

in the third **block** . (see image in original document)

...SPECIFICATION and the data group of such a group unit is repetitively

inserted into a radio **broadcasting** wave for the transmission, the method

inserting PI codes of the same network stations into...

...same network stations, the PI code of such a station is transmitted as a

PI **code** of the third **block** .

According to the PI **code** transmitting method of the invention, for

the transmission of the PI codes of the same...

...in one group, the PI code of the station itself is transmitted as the

PI **code** of the first **block** , and if the station which **broadcasts** a

program different from the program of the station itself for only a **predetermined time** zone exists in the same network stations, the PI

code of such a station is transmitted as the PI **code** of the third **block** . At the time of the reception, the PI codes of the first and third

blocks...that the PI code which is transmitted by the station which executes a national network **broadcasting** is set to PI and the PI **code**

which is transmitted for a special time zone by the station which executes a local **broadcasting** is set to PI', in the station which performs the national network **broadcasting** , as shown in Fig. 7A, the

transmission of the PI code is **executed** such that the PI **code** in the

block 1 is set to PI and the PI code in the block 3 is set to PI'.

In

the station which performs the local **broadcasting** for only a certain

time zone, the transmission of the PI code is **executed** such that the PI

code in the **block** 1 is set to PI', and the PI code in the block 3 is

set...group and transmitted, the PI code of the station itself is transmitted as the PI **code** in the first **block** and, in the case where the station which **broadcasts** a program different from the program of the station itself for only a **predetermined time** zone exists in the same network stations, the PI code of such a station is transmitted as the PI **code** in the third **block** . Therefore, when receiving the PI **code** , the PI codes in the first and third blocks are fetched and stored and either...

...CLAIMS group and the data group at a group unit is repetitively inserted into a radio **broadcasting** wave for the transmission, wherein a PI code of the same network stations is transmitted...

...characterized in that:
a PI code of the station itself is transmitted as a PI **code** in the first **block** , and if another station which **broadcasts** a program different from a program of the station itself for only a **predetermined time** zone exists in the same network stations, a PI code of said another station is transmitted as a PI **code** in the third **block**.

28/3,K/24 (Item 24 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00331960

INTERACTIVE VIDEO METHOD AND APPARATUS.
VERFAHREN UND GERAT FUR INTERAKTIVES VIDEO.
PROCEDE ET APPAREIL VIDEO INTERACTIFS.

PATENT ASSIGNEE:

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Portland, OR 97229, (US), (applicant designated states:
AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

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PATENT (CC, No, Kind, Date): EP 346402 A1 891220 (Basic)
EP 346402 B1 940105
WO 8904100 890505

APPLICATION (CC, No, Date): EP 88906481 880630; WO 88US2192 880630

PRIORITY (CC, No, Date): US 112713 871020

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS (V7): H04N-007/08;
ABSTRACT WORD COUNT: 196

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	582
CLAIMS B	(German)	EPBBF1	544
CLAIMS B	(French)	EPBBF1	708
SPEC B	(English)	EPBBF1	9105
Total word count - document A			0
Total word count - document B			10939
Total word count - documents A + B			10939

...SPECIFICATION include the following:

(1) to provide an interactive video system that is compatible
with

conventional **broadcast** equipment and channels, and with
conventional

television receiving, recording and playback systems, including
restricted bandwidth home recording and playback systems;

(2) to **provide** a system, as described, that minimizes video
and

audio interference with program material;

(3) to **provide** a method for subliminally **encoding** binary
data,

within the viewing area **of** a video program image, that is
substantially

invisible to a viewer of the television;

(4...

...provide interactive video educational and entertainment apparatus
that

permits the user to interact with a **television** program in real
time ;

(6) to provide a method for subliminally, digitally encoding
data

with a pre-recorded video...uses of the novel interactive video
apparatus

of the present invention.

Turning finally to Fig. 5 , the preferred embodiment of the
encoding

electronics **used** to produce a data-encoded, composite video signal
for

remote **broadcast** , illustrated in block diagram form, is indicated
generally at 84. Encoding electronics 84 best will...

...what is known as a video processing amplifier, commonly used in the
context of video **broadcasting** to ensure that videotapes conform to
broadcast quality, format and other regulatory requirements. First,
those

...sync amplifier and driver 124, which produces a signal called SYNC
OUT; and output driver 126 , which provides **the VIDEO OUT**

signal.

Thus, data **encoder** 86 provides means for modulating the **program** signal by the data signal in timed relation thereto, thereby producing a

control data subcarrier...

...is described in detail. The purpose of previewer 128 is to provide a method for **previewing** video **program** material, field by field, for its

suitability in the luminance modulation, data **encoding** scheme of the

preferred method. **Previewer** 128 permits the identification of a sequence of consecutive video fields each of which contains...

...CLAIMS of horizontal scan lines, the luminance and/or chrominance level

of a first set is **raised** (44, 48) by a **predetermined** percentage

and the luminance and/or chrominance level of a second set is lowered

(46...

...further is characterized by previewing (128) the regular program material (VIDEO IN) to determine before the modulating whether the

program material (VIDEO IN) within the video region (14d) contains

modulation artifact (DATA PRESENT) that is substantially...

28/3,K/25 (Item 25 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00306058

Digital data processing system.

Digitales Datenverarbeitungssystem.

Systeme de traitement de donnees numeriques.

PATENT ASSIGNEE:

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, (US), (applicant designated states:

AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

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PATENT (CC, No, Kind, Date): EP 290111 A2 881109 (Basic)
 EP 290111 A3 890503
 EP 290111 B1 931222

APPLICATION (CC, No, Date): EP 88200917 820521;

PRIORITY (CC, No, Date): US 266404 810522

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 67556 (EP 823025960)

INTERNATIONAL PATENT CLASS (V7): G06F-009/30;

ABSTRACT WORD COUNT: 123

LANGUAGE (Publication,Procedural,Application): English; English;
 English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1044
CLAIMS B	(German)	EPBBF1	890
CLAIMS B	(French)	EPBBF1	1185
SPEC B	(English)	EPBBF1	154314
Total word count - document A			0
Total word count - document B			157433
Total word count - documents A + B			157433

...SPECIFICATION cache representing name cache, protection cache, and
 address translation unit;

Fig. 241 is a detailed **block** diagram of portions of computer
 system instruction and microinstruction control logic;

Fig. 242 is a...

...word;

Fig. 252 is a diagram illustrating machine control words;

Fig. 253 is a detailed **block** diagram of a register address

generator;

Fig. 254 is a block diagram of interval and...Fig. 404)

- a. Objects and User Programs (Fig. 405)
- b. UIDs 40401 (Fig. 406)
- c. **Object** Attributes
- d. Attributes and Access Control
- e. Implementation of Objects

1. Introduction (Figs 407, 408...That is, the actual size

of a

particular Object will increase as information is written **into** that Object and will decrease as information is taken from that Object. In general, information...

...serial number dependent upon, for example, the particular CS 101 system

and user, and a **time** code **indicating time** of creation of that Object. UIDs are permanently assigned to Objects, no two Objects

may...

cannot be defined as an offset from the PBP used by the calling procedure. In **these** cases, the compiler uses symbolic Names to define

the locations. Binder 703 is a utility **which** translates symbolic Names

into **UID** -offset addresses. It does so in two ways: by combining separate Procedure Objects 608 into...request and makes them

available to

EOS 704, which in turn makes them available to **User** 701. EOS 704 causes

a process to **execute** by associating it a Virtual Processor 612. In logical terms, a Virtual Processor 612 is...

...EOS 704 for executing Processes 610. As many Processes 610 may apparently execute simultaneously in **CS** 101 as there are Virtual Processors 612. The illusion of simultaneous execution is created by...

Microcode 1001 uses other KOS 706 microcode to translate the location information contained in the **macrostate** into the kind of pointers used

in MEM 112. Then Microcode 1001 uses the descriptor...

...the entry, it locates pointers to EXAMPLE's Name Table and the beginning

of EXAMPLE' **s** **code**. Microcode 1001 takes these pointers, uses other

KOS 706 microcode to translate them into descriptors...elements of IOS

116 include an ECLIPSE(R) Burst Multiplexer Channel (BMC) 1614 and a **NOVA** (R) Data Channel (NDC) 1616, an IO Controller (IOC) 1618 and a

Data

Mover (DM...

...JP 114 port is comprised of MOD Bus 140 and PD Bus 146, and a **second**

port is comprised of JPD Bus 142 and PD Bus 146. In general, all data...

...buses are not apparent to a user. For example, a Name in a user's **program** may refer to an operand containing 97 bits of data. To the

user,
 that 97...BC 1814. In addition, MC 1816 includes a cache write-back path which allows data to be transferred out of MC 1816's cache and stored while further data is transferred...

...data may be written into MC 1816.

MEM 112's FIU 1820 allows manipulation of **data** formats in writes to and reads from MEM 112 by both JP 114 and IOS...or bits of two operands to be multiplied or divided, starting from the highest, to **determine** which, if any, contain zeros so as not to **require** a multiplication or division operation. FPC 2002 accordingly left shifts the operands to effectively eliminate those characters or bits, thus reducing the number of operations to multiply or divide the operands and accordingly **reducing** the **time** required to operate upon the operands.

Finally, EU 122 utilizes a unique method, with associated hardware, for performing arithmetic operations on decimal operands by utilizing circuitry which is otherwise **conventionally** used only to perform operations upon floating point operands. As described above, MULT 2074 is ...keyboard/CRT Display Unit (DU) 10134 through Diagnostic Processor Input/Output (DPIO) Bus 10136. DP **10118** is interconnected with IOS 10116, MEM 10112, FU 10120, and EU 10122 through Diagnostic Processor...

process is currently being executed in. In addition to principle, process, and domain, which are **identified** by UIDs, subject may include a Tag, which is a user assigned identification **code** used where added security is required. For a given process, principle and process are constant but the domain is **determined** by the procedure currently being executed. A process's associated subject is therefore variable along...

...Multi-Program Operation

CS 10110 is capable of concurrently executing two or more programs and **selecting** the sequence of execution of programs to make most effective use of CS 10110's...

...fetch the requested information from ED 10124 and transfer it into MEM 10112. At some **time** after IOS 10116 notifies JP 10114 that the requested information is available in MEM 10112...

...second program and resume execution of the first program.

e. Multi-Language Operation

As previously **described**, CS 10110 is a multiple language machine. Each **program** written in a high level user language, such as COBOL

or

FORTTRAN, is compiled into...10410 contains at least the following information:

(1) an offset, relative to Stack Header 10410, **indicating** the location of **Frame** Header 10414 of ...by pointer STO pointing to the top

of the last entry of Procedure 11 Frame **10412** 's Local Data **Block** 10420;

(3) an offset, relative to start of KOSMAS 10334, indicating location of Frame Header...the procedures of a P 10310. When a VP, for

example P 10310, is to **be** executed, certain information regarding that

VP is transferred from the Virtual Processes 10212 to FURSM...

...GRF 10354, and assuming for example that Procedure 11 of P 10310 is currently being **executed**, GRF 10354 primarily contains certain pointers

to P 10310 data **used** in **execution** of Procedure 11. As previously

discussed, CS 10110's addressing structure includes certain Architectural Base...

...transferred from that procedure's PED to ABR's 10364 and reside therein

for the **duration** of that procedure. As **indicated** in Fig. 103, FP points between Linkage Pointer Block 10416 and Local Pointer Blocks 10418

...two-part stack mechanism. A first part operates in parallel with MIS

10368 and a **second** part operates in parallel with MOS 10370. As previously described, CS 10110 is a microcode controlled system. RCWS is

a stack for storing the **current** microinstruction being **executed** by

CS 10110 micromachine when the current procedure is interrupted by a fault or error...

...for each Virtual Process (VP) selected for execution by CS 10110. Each

such VP State **Block** contains at least the following information:

(1) the state, or identification number of a VP...

...CS 10110's VP Manager, thus binding the newly created VP into CS 10110.

At **that time** a KOS Initializer procedure completes creation of the VP

for example by calling in the user's **program** through a compiler. The

newly created VP may then be executed by CS 10110.

Having...u, v, and w are constructed to resolve to point to pointers in

Linkage Pointer **Block** 10416 of Procedure X's Frame 10412 in MAS. To pass arguments a, b, and...the requested page, using the previously described information in MFT 10718 and WSM 10720 to **select** this frame.

In doing so, VMM may discard a page currently resident in MEM 10112...

...the oldest page, an unused page, or an unmodified page which does not have to **be** written back into backing store. VMM then requests an I/O operation to transfer the requested page into the frame **selected** by the VMM. While the I/O operation is proceeding, VMM generates new entries in ...
...I/O operation and writes the requested page directly into MEM 10112 in the frame **specified** by VMM. IOS 10116 then notifies CS 10110's VMM that the page now resides...two read operations to read Error Log. First read operation to IOS 10116 reads an **upper** 16 bits of Error Log data and does not reset Error Log. The **second** read operation is performed in the same manner as a JP 10114 Read Log and...

...that only the low order 16 bits of Error Log are read to IOS 10116. **MEM** 10112 **performs** repair **block** operations to correct parity or ERCC errors in data stored in MC 20116's Cache...example controlling IOS 10116 operation, are read from MEM 10112 to IOS 10116 a block **at** a **time**. Such operations are identical to a full **block** data read.
Having described the operating characteristics of IO Port 20910, the operating characteristics of...

...provided to MEM 10112 from JP 10114 is a 3 bit code, (JMCMD(0-2)) **specifying** an operation **to** be formed **by** MEM 10112. Certain operations which JP 10114 **may** request of MEM 10112, and their corresponding operation codes, are:

000 = read;
001 = read and...

...reset;
110 = repair block; and,
111 = flush cache.

Two bit FIU field, (JFIU(0-1)) **specifies** data manipulation operations to be performed in executing read and write operations. Among the data...

28/3,K/26 (Item 26 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00266087

Decoding transmitted scrambled signals.
Dekodierung ubertragener verschleierter Signale.
Decodage de signaux transmis brouilles.

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PATENT (CC, No, Kind, Date): EP 256596 A2 880224 (Basic)

EP 256596 A3 900321

EP 256596 B1 940302

APPLICATION (CC, No, Date): EP 87201500 870806;

PRIORITY (CC, No, Date): GB 8619737 860813; GB 8625487 861024

DESIGNATED STATES: DE; FR; GB; IT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-007/167;

ABSTRACT WORD COUNT: 156

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English

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CLAIMS B	(English)	EPBBF1	753
CLAIMS B	(German)	EPBBF1	671
CLAIMS B	(French)	EPBBF1	799
SPEC B	(English)	EPBBF1	6069
Total word count - document A			0
Total word count - document B			8292
Total word count - documents A + B			8292

...SPECIFICATION a receiver is switched on, for a subscriber to receive
his

authorisation. In the intervening **period** the programme the
subscriber

has **selected** will be unintelligible. It is an **object** of the
present

invention to **overcome** this drawback.

The invention provides a method of enabling a receiver to decode a
transmitted **scrambled** signal which relates to a **programme** such
that

said **programme** may be **obtained** in an intelligible manner,
comprising

additionally transmitting a subscription key and a pay- **per - view**
key,

the receiver functioning in a subscription mode in the event that the
receiver is pre-authorised to **obtain** the **programme** in an

intelligible manner with the scrambled signal being decoded under the control of the subscription key in the presence of an authorising code for the receiver whilst in the absence of such pre-authorisation the receiver is set to function in a...overall encryption channels can be defined, these being a Primary Encryption Channel and a Subscription Encryption Channel. The Primary Encryption channel is the data path used by the controlled access sub-system to obtain programmes in the pay - per - view mode and it can also be used during switch-on to gain quick access to a service and hence quickly receive a programme in an intelligible manner. This channel in operation is similar to that of System B in the pay-per-view mode except that in the...signalling of EMM channels linked to a particular service), or internally derived from the Primary ECM packets. In the flow chart the programme category (PCAT) is used as a 'parental key' further restricting programme access on a local basis, e.g. to prevent young children from watching 'adult material'. Unless authorisation is denied, the access process is totally transparent to the user; only in the pay - per - view mode is the user involved in making a decision.

28/3,K/27 (Item 27 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00257274

Program mode setting apparatus.

Gerat zur Einstellung der Programmart.

Appareil pour regler le mode de programme.

PATENT ASSIGNEE:

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Okamoto, Shigeo, 1658-408, Kitahara-cho, Ikoma-shi Nara-ken, (JP)

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PATENT (CC, No, Kind, Date): EP 255107 A2 880203 (Basic)

EP 255107 A3 890712
EP 255107 B1 940420
APPLICATION (CC, No, Date): EP 87110917 870728;
PRIORITY (CC, No, Date): JP 86182513 860801; JP 86194517 860820
DESIGNATED STATES: DE; ES; FR; GB; IT
INTERNATIONAL PATENT CLASS (V7): H04N-005/76; H04N-005/782;
ABSTRACT WORD COUNT: 133

LANGUAGE (Publication,Procedural,Application): English; English;
English

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CLAIMS B	(English)	EPBBF1	295
CLAIMS B	(German)	EPBBF1	267
CLAIMS B	(French)	EPBBF1	356
SPEC B	(English)	EPBBF1	3303
Total word count - document A			0
Total word count - document B			4221
Total word count - documents A + B			4221

...SPECIFICATION in Fig. 2 are achieved by software of a microcomputer.

When a predetermined channel is **selected** by operation of a channel

selecting button group 21, a **channel selecting** circuit 12 **applies** a

tuning voltage corresponding to the channel to a tuner 2. As a result,

the tuner 2 **selects** a video **signal corresponding** to the above described channel from a **broadcasting** signal obtained by an antenna

1 and applies the video signal to recording means 16...

...is turned on, an output from the record switch 53 is stored in a mode

setting circuit 32 through a **lock** gate 31 as a **record** command signal. As a result, a system control circuit 33 applies a recording set

signal...circuit 22. If the recording set signal from the system control

circuit 33 and the **code** detection signal from the VPS **code** determining circuit 23 are generated while an output from the above described holding circuit 25...

...the video signal after operation of the VPS setting switch 41 or within

a constant **time** period after operation **thereof**, the VPS mode setting

circuit 22 determines that a VPS record mode can be set...

...VPS control circuit 26, a write pulse generating circuit 28 and display

means 9. The **lock** gate control circuit 24 **applies** a lock control signal to the lock gate 31 in response to the VPS recording...

...of operation switches 51 to 57 and makes manual control of the recording

means 16 **impossible**. In addition, the write pulse generating

circuit 28
generates a write pulse in response to...

28/3,K/28 (Item 28 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00237630

Method and apparatus for establishing a limited broadcast path
within an

interconnection network.

Verfahren und Anordnung zum Aufbau eines begrenzten
Rundschreibweges in

einem Verbindungsnetz.

Methode et appareil pour l'etablissement d'un chemin de diffusion
limite

dans un reseau d'interconnexion.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 243590 A2 871104 (Basic)

EP 243590 A3 890927

EP 243590 B1 930519

APPLICATION (CC, No, Date): EP 87101456 870203;

PRIORITY (CC, No, Date): US 856266 860428

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS (V7): H04L-012/46;

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English

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CLAIMS B	(English)	EPBBF1	653
CLAIMS B	(German)	EPBBF1	667
CLAIMS B	(French)	EPBBF1	690
SPEC B	(English)	EPBBF1	5169
Total word count - document A			0
Total word count - document B			7179
Total word count - documents A + B			7179

...SPECIFICATION 5. limited broadcast preference code (only for set)

It

should be noted that the limited **broadcast** path is generated from a
reconfiguration cycle. This cycle is initiated from a source node...

...the above- described UI frames.

Referring now to Fig. 7, a flow chart of the **program** used by the bridge to **process** the set frame is shown. The first block in the program is identified by numeral...

...see if the set frame send latch is set. If it is not set, the **program** enters block 28 where it performs the previously -described function and exits the **program** through block 30.

If the **set** frame send latch (block 32) is set, the program then descends into block 34. In block 34 the program stores the source address

in the set frame in the SAR-2 (search address register). The program

then descends into block 36. In block 36 the program checks to see if the

Limited **Broadcast** Preference Code is greater than the bridge's identification number. If it is, the program descends into block 38 where

it resets the new limited **broadcast** state latch and exits the program through block 40.

If the LBPC of the set frame is equal to or less than the bridges (block 36), the **program** descends into block 42. In block 42 the

program checks to see if the LBPC of the set frame equals that of the bridge. If it is...

...in the search frame is different from the setting of the O/E latch, the

program descends into block 70. In block 70 the program stores the source address in the...set to a logical one. If it is not set to a logical one, the **program** descends into block 92. In block 92 the

program resets the new limited **broadcast** state latch, port A inboard latch, port B inboard latch and set frame send latch. The **program** then exits through block 94. Referring to block 90

if the new limited state latch is set to one, the program descends into block 96...

...via the outboard port. The program then descends into block 98. In block

98 the **program** sends a reset frame via inboard port and descends into

block 92. In block 92 the **program** performs the previously described function and exits through block 94.

Fig. 10 shows a flow chart of a program for processing a stop frame.

Essentially, when a stop frame is received, the bridge resets the new limited **broadcast** state latch to zero and exits the program.

Fig. 11 shows a program for processing...

28/3,K/29 (Item 29 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00217674

System and method for controlling network bus communications for tightly

coupled information among distributed programmable controllers.
System und Verfahren zur Busübertragungssteuerung für eng gekoppelte

Nachrichten zwischen verteilten programmierbaren Steuergeräten.
Système et méthode pour commander les communications par bus d'informations

a couplage rigide entre des appareils de commande programmables distribués.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 200365 A2 861105 (Basic)
EP 200365 A3 890628
EP 200365 B1 930922

APPLICATION (CC, No, Date): EP 86302360 860327;

PRIORITY (CC, No, Date): US 719174 850403

DESIGNATED STATES: DE; FR; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS (V7): G06F-013/366; G05B-019/05;

ABSTRACT WORD COUNT: 213

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CLAIMS B	(English)	EPBBF1	3528
CLAIMS B	(German)	EPBBF1	1643
CLAIMS B	(French)	EPBBF1	2203
SPEC B	(English)	EPBBF1	9204
Total word count - document A			0
Total word count - document B			16578
Total word count - documents A + B			16578

...SPECIFICATION time slot allocations (TSAs) and the source of the data in

the case of a **broadcast** message, the word or words of data, each of two bytes, two bytes for CRC...

...initialized to establish communications between all nodes present on the

network and is thereafter maintained to assure each node the **opportunity** to transmit its messages and provide for the addition and

removal of **nodes** without conflict. One node is selected by a switch as an active monitor to control...

...control of transmission on the network in the event that network communications ceases for a **selected time** interval. All other nodes are non-monitors which have no control over transmission on the... modules;

Fig. 2 is a schematic diagram, similar to Fig. 1, of such a system in which the programmable **controllers** are serially connected according to a second embodiment of the invention to a dual media...

...block diagram of a communications module according to the present invention;

Fig. 4 is a **block** diagram of operating system **software** used with the communications module;

Fig. 5 depicts the format of a **broadcast** message frame;

Fig. 6 depicts the format of the control/address field of the message...

...CLAIMS bus and second the designated active monitor receives a poll addressed to itself at which **time** the designated active monitor resumes **supervisory** control over the network.

15. A method for controlling network bus communications for tightly coupled...

...of having the active monitor reassign the role of passive monitor to another module in **the event** that ting means to provide an indication of the **expiry** of the **selected time** interval and means to assign one of the communication module means other than the active...

...monitor.

3. A method for controlling network bus communications for tightly coupled information among distributed **programmable** controllers coupled to a communications **bus**, each controller coupled to the communications bus at a node through a communications module

adapted

to **broadcast** and receive data over the communications bus, the communications module adapted to operate as an...

28/3,K/30 (Item 30 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00216928

Direct broadcast satellite signal transmission system.

Satellitenubertragungssystem mit Direktubertragung.

Systeme de transmission directe par satellite.

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 200310 A2 861105 (Basic)

EP 200310 A3 871007

EP 200310 B1 930811

APPLICATION (CC, No, Date): EP 86301602 860306;

PRIORITY (CC, No, Date): US 729290 850501

DESIGNATED STATES: BE; CH; DE; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS (V7): H04N-007/20; H04N-007/16;

ABSTRACT WORD COUNT: 111

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English

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CLAIMS B	(English)	EPBBF1	2467
CLAIMS B	(German)	EPBBF1	2219
CLAIMS B	(French)	EPBBF1	2883
SPEC B	(English)	EPBBF1	13400
Total word count - document A			0
Total word count - document B			20969
Total word count - documents A + B			20969

...SPECIFICATION tier authorization information indicates to the
addressable controller-decoder the programming tier upon which the
selected program appears.

The second block of the header packet contains information
concerning

the impulse pay...

...The first 16 bits include a program identification tag which
identifies

the particular program being **broadcast** . The next 16 bits define the
minute, **hour** , and **day** which the program **identified** by the
program

identification tag is being **broadcast** . The next 4 bits define the
allowable preview **time** for the **identified** program. The last 4
bits

define the **program** cost. The information in this **block** is **used**
by

the addressable controller-decoder to describe an impulse **pay - per**

-
view transaction when the subscriber enters the necessary commands
into

the keyboard requesting that a program be viewed on an impulse **pay -**
per

- **view** basis.

The subscriber specific information contained in the addressable

sub-packets includes three different types...time control disc memory.

Message type 2, as illustrated in Fig. 6B, contains subscriber impulse

pay - per - view information. The first 32 bits of message type 2 define

a blocking bit map which **restricts** all access to certain **program** tiers. This information originates in the business center computer and is

stored in the real **time** controller disc memory as subscriber **specific**

information. For more detailed information concerning the manner in which

the blocking bit map is...

28/3,K/31 (Item 31 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00439371 **Image available**

REMOTE PLATFORM INDEPENDENT DYNAMIC MULTIMEDIA ENGINE

APPAREIL MULTIMEDIA DYNAMIQUE INDEPENDENT AVEC PLATE-FORME DISTANTE

Patent Applicant/Assignee:

STARNET INCORPORATED,

Inventor(s):

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HEYDT Michael,

CROSS Jerry,

NOCKS Jason,

PORTUGAL Howard,

MCGLADE Alan,

Patent and Priority Information (Country, Number, Date):

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Application: WO 95US13433 19951011 (PCT/WO US9513433)

Priority Application: US 94321332 19941011

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AU BB BG BR BY CA CN CZ EE FI GE HU IS JP KG KP KR KZ LK LR LT LV MD

MG MN MX NO NZ PL RO RU SG SI SK TJ TM TT UA UZ VN KE MW SD SZ UG AT BE

CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR

NE SN TD TG

Publication Language: English

Fulltext Word Count: 18054

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... format for advertising list files 308 is of the form

MMDD.ad in order to **indicate** the month and **day** of playback. For example, a list of advertising list files 308 may be of the...

...is played on December 31st of the current year.

1 5 Fig. 5 shows a **block** diagram representation of a script **file** parsing method 500 for parsing various textual script files within the multimedia engine 128 of...items between the pipe delineation characters in the current file line of the textual script **file** are separated as shown in **block** 608. **Execution** of the **file** line parsing process 600 then returns to decision block 604 where another line of the...
...diagram representation of the segment event generation process 700 for generating segment events to prepare **multimedia** presentations by ...determination is made whether the system is currently in hunt mode as shown in decision **block** 716. If the **software** is in hunt mode it calculates the specified offset event times to run as shown...

...and exits at terminal 5 724. If the software is not in hunt mode the **multimedia** engine 128 adds a stop event to the queue in block 728 and exits the...

...story file 306 by the multimedia engine 128 of the present invention.

Within the story **event** generation process 800 a **determination** is made in decision **block** 804 whether the story **file** 306 being processed by the multimedia engine 128 is present within the directory of the...

...If the story file 306 is not present in the playback computer memory 124, the **events** necessary for a **predetermined** default presentation are generated as shown in block 820 and execution by the multimedia engine 128 exits the story event generation process 800 at terminal **block** 822. If the story **file** 306 does exist in the playback computer 124, as determined in decision block 804, the...

...has been encountered. If the end of the story file 306 has been encountered, a **predetermined** end story **event** is added to the output of the story by the event generation process 800 as ...the queue events for the page are generated.

1 0 Fig. 9 shows the segment **event** generation process 900 for **determining** whether a segment file 304 being processed by the multimedia engine 128 contains an advertising...

...and for processing an advertising list file 308 when it is present. Within the segment **event**

generation
process 900 a **determination** is made in decision block 902 whether
the

1 5 segment file 304 contains an...

...advertising list file 308, execution exits the segment processing
process 900 by way of terminal **block** 904. If the segment **file** 304
does contain an advertising list file 308, a determination of the
advertising file name is made, as shown in block 908.

A determination is then made in decision **block** 912 whether the
advertising list **file** 308 indicated can be opened. If no
advertising

list file 308 can be opened an...

...file directory within the local memory of the
playback computer 124 is scanned by the **event** generation process
900 to

determine the most recently used advertising list **file** 308, as
shown

in **block** 916. If the advertising list **file** 308 found in **block**
916

is not open, as determined in decision block 920, execution exits the
segment processing process 900 by way of terminal **block** 904.

If an advertising list **file** 308 is open, as determined by either
decision block 912 or decision block 920, the...306, as determined in
decision block 101 61

video file events are scheduled by the **multimedia** engine 128 as
shown

in

block 1024. After scheduling of the video **file** events in **block**
1024,

execution exits the advertising event generation process 1 000 by
way of

terminal block 1010.

Referring...

...1 , there is shown a process overview 1 1 00

describing the operations of the **multimedia** engine 128 of the
present

invention. Within the process overview 1 1 00 an application...be run
at

a particular time. The hunting subsystem 1 1 08 checks the system
time

and **identifies** the PODF's 1 1 04 which have time **encoded**
filenames

corresponding to the current system time. When the set of data files
1 1

04...

...the parsing subsystem 1 1 06 schedules the set of files for
presentation

by the **multimedia** 5 engine 128.

External applications may also use the application programming
interface 1 1 02...queue events must be generated.

Thus the story page is applied to block 1202 which **determines** the **time**

of the page in the story, and possibly the position of the story within

a...

...to the items on the story page.

A page is read in block 1206. Decision **block** 1208 determines whether the **file** is finished. If the **file** is finished **block** 1226

creates an event in the **event** queue for the **time** identified by block 1202 and process 1228 places the metafile 1 1 00 inside the event

...

Claim

... wherein

the script files encode the name of at least one segment file.

23 The **multimedia** presentation system of claim 22, wherein the at least one segment file encodes the name of at least one story file.

24 The **multimedia** presentation system of claim 23 comprising 15 at least one story file stored in the receiving and storing means, which story **file** **encodes** text to be **used** in a **multimedia** presentation and the name of at least one template file.

25 The **multimedia** presentation system of claim 24, wherein 20 the at least one segment file encodes the name of at least one advertisement file.

26 A **multimedia** presentation system capable of dynamically constructing a **multimedia** presentation for cable transmission to a plurality of cable television users comprising:
a receiving and...

28/3,K/32 (Item 32 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00344093

STORED PROGRAM PAY-PER-PLAY

PAIEMENT A LA LECTURE DE PROGRAMMES ENREGISTRES

Patent Applicant/Assignee:

SMART VCR LIMITED PARTNERSHIP,

Inventor(s):

RUSSO James,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9626605 A1 19960829

Application: WO 96US2454 19960223 (PCT/WO US9602454)

Priority Application: US 95394380 19950224

Designated States:

(Protection type is "patent" unless otherwise stated - for applications

prior to 2004)

CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 7681

Fulltext Availability:

Detailed Description

Detailed Description

... MPEG or,

alternatively, it may be desirable, particularly with regard to the protection of the **program** provider, to incorporate in **block** 112 a proprietary compression/decompression algorithm so as to discourage unauthorized copying. As a further measure of security, the algorithm **used** by **block** 112 may in fact be **programmable**, in which case digital signals relating to the algorithm to be used may be downloaded on a **predetermined** or **occasional** basis

In the **event** that the program material received is in analog form, as would be the case with most cable, satellite and off-air **broadcasts**, an analog-to-digital 113 may be used prior to storage within the high capacity...

28/3,K/33 (Item 33 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00338772 **Image available**

A SYSTEM FOR IDENTIFYING AND RESPONDING TO DIFFERENT BROADCAST PROGRAMS
SYSTEME D'IDENTIFICATION ET DE REPONSE A DIFFERENTS
PROGRAMMES

RADIODIFFUSES

Patent Applicant/Assignee:

SEIKO COMMUNICATIONS SYSTEMS INC,

Inventor(s):

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DIMITRIADIS Dimitri,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9621284 A1 19960711

Application: WO 95US15464 19951204 (PCT/WO US9515464)

Priority Application: US 94366208 19941229

Designated States:

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AU BR CA CH CN JP KR MX RU AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT

SE

Publication Language: English

Fulltext Word Count: 3986

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... different radio programs.

The system can use an existing pager system encoder or a dedicated **encoder** to incorporate the **program** codes in a subcarrier. When **using** a pager system, the program codes for each **broadcast** program are transmitted on the same subcarrier used for transmitting pager messages. Pager messages transmitted...

Claim

... receiver response.

18

. A system according to claim 17 wherein the programs are FM audio **broadcasts** and the receivers are FM radio receivers, the FM radio receivers both audibly outputting the FM audio **broadcasts** and generating an output response for **selected broadcasts** at the same **time** .

19 A system according to claim 18 wherein each receiver includes a display panel...

...coupled to each radio station for generating paging messages, each radio station including means for **encoding** the **program** codes with the paging messages on a common subcarrier and transmitting the subcarrier with the

...

28/3,K/34 (Item 34 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00316013

**METHOD AND APPARATUS FOR VIDEO SIGNAL ENCODING, DECODING AND MONITORING
PROCEDE ET APPAREIL DE CODAGE, DECODAGE ET REPRODUCTION DE SIGNAUX
VIDEO**

Patent Applicant/Assignee:

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Inventor(s):

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ACKERMAN Edward B,
WOOD Jackson B,
EAKINS Jeffrey S,
HARMON David D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9534166 A1 19951214

Application: WO 94US6413 19940606 (PCT/WO US9406413)

Priority Application: WO 94US6413 19940606

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AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KG KP KR KZ LK
LU

LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SK TJ TT UA UZ VN AT BE CH
DE

DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE
SN

TD TG
Publication Language: English
Fulltext Word Count: 31247

Fulltext Availability:
Detailed Description
Claims

Detailed Description

... frame-by-frame basis, the occurrence and transmission, and the quality of reception, of each **broadcast** desired to be detected.

SUBSTITUTE SHEET (RULE 26)

Still further objects will become apparent to...

...following specification.

The above and other objects are achieved in a system for monitoring the

broadcast or dissemination of video **program** material which comprises

an **encoding** means for continuously encoding each contiguous frame of a

video tape on which material to be **broadcast** is stored, the code having

a first part that repeats a unique program material **identifier** **indicating** the **time**, date and place of encoding, and having a **second**

portion that varies in a **predetermined** unique and non-repeating sequence which varies from frame-to-frame or field-to-field...

...sequence as it was encoded. The method and apparatus of the present invention also accurately **determines** " **time** away" from the **encoded** video signal.

In an **application** of the present invention, a video tape, having video

program material to be **broadcast** recorded thereon, is **encoded** with a

unique **code** having a first portion and a second portion of the code which varies in a...All of the information received by receivers 36, which includes the unique identifier of the **broadcast** signal, as well

as each received frame count and the number of each received frame...

...method and apparatus of the present invention permits the precise determining of the amount of ' **time** away" from the encoded broadcast signal.

As previously described, the blank spots on a syndicated television **program** are **encoded** in order to maintain the continuity of the encoding along the ...different identifier than the syndicated television

program of interest, the field receivers issue a first **time** stamp and

frame **identifying** stamp, and a **second time** stamp and frame **identifying** stamp when the syndicated television **program** resumes broadcasting of the **encoded** signal. The length of the "time away" is

then compared to the actual time period of the blank interval on the original syndicated **broadcast** in order to determine whether or not there are any discontinuities between the original...

...and the way in which the program was aired. In this way, precise and accurate **determination** of the length of **time** away from the encoded signal can be determined.

The data center 34 of Figure 1...

...center may then inform all encoders as to a particular client prior to requesting an **encoder** to **encode** program material for that client.

This can be done by a data center
SUBSTITUTE SHEET (RULE...incremented as each succeeding frame is encoded.

A counter W starts over at zero each **time** the program **identifier** is repeated, to provide which word of data from the identifier is encoded on that...
...data.

The length of the message is defined as the number of frames required to

encode the entire **program** identifier. Thus, in the preferred embodiment, six frames are used to encode twelve bytes of...generated by

the inserter software concurrently with the generation of a database update describing a **program**. The **encoded identifier code**, date,, and the **time** of day, link the database entry with the program identifier packet. The program identifier packet...

...The transaction processor program reading the channeled log files uses

the packet to identify which **encoded** television **program** material recorded has been observed.

Referring to FIG. 313, the contents of the program identification... providing output to and causing an operation of the hardware, as distinguished from a merely **software** related operation.]

If **encoding** does not take place at step 428, or after the scan-line counter has been started at step 432, the field interrupt routine continues to step 434 where a **timer** **determines** whether the field **time** has **expired**. If the answer is Yes, then encoding has
SUBSTITUTE SHEET (RULE 26)

- 34 ended at...above, basic information about the program or commercial

is entered into the database when the **program** or commercial is

encoded

. It includes information such as the encoder **identifier** and **time** that coding is commenced, client identification, program length, the color/stereo/SAP information and slatesituation where the **broadcast** signal has been encoded at a post production facility which does not supply the information...set of data, for a nominal one-half hour

show,

specifies the actual times when **encoded program** material was broadcast and the time, with respect to the beginning of the

programming,

whenminutes and 13 **seconds** as originally contemplated. This

indicates

that the local station may have placed more commercials in the broadcast,

which was lengthened...e. contracted) time. According to the present invention, however, these commercials would have different encoder **identifier** information (place, **time** and date of encoding) encoded thereon, and could be readily distinguished.

SUBSTITUTE SHEET (RULE 26...

...program or to define subtle differences in program content from source

to

source.i

Network **Encodin2**

In yet another **application** of a system according to the present invention, an encoder may be placed at a...

Claim

... summary information to said communication storage means; and communications means for automatically outputting the program

broadcast

summary information.

19 An encoding/decoding system for monitoring video program material, comprising:
source recorder...

...stream as a sequence of frames, each said frame comprising a plurality

of scan lines;

encoding means for generating a monitoring **code** , for **applying** the

monitoring code to the source video program signal stream, and for uniquely encoding each...video program signal stream containing both the

source video program signal stream and the monitoring **code** **applied** by

said **encoding** means.

26 An encoding/decoding system as claimed in claim 19, wherein said receiving means includes means for receiving a **broadcast** program signal

and for generating a received video program signal stream corresponding

to the **broadcast** program signal.

27 An encoding/decoding system as claimed in claim 19, wherein said receiving...log memory sequence deviation signals when the detected monitoring code differs from the predetermined correct **code** sequence.

51 An **encoding** /decoding method as claimed in claim 50, further comprising the step of inserting in the...

...from the predetermined correct code

15 sequence, and a post-discontinuity frame identification signal uniquely **identifying** the frame of the **second** video program signal stream occurring immediately after the detected monitoring code returns

to agreement with the predetermined correct **code** sequence.

52 An **encoding** /decoding method as claimed in claim 47, further comprising the steps of generating signal status fault signals upon degradation of the **second** video program signal stream below **predetermined** quality limits; and applying the signal status fault signals to the log memory.

53 An...

...method as claimed in claim 47, further comprising the steps of accumulating and storing program **broadcast** summary information in a communications memory; reading the video state data signals from the log

...

...memory; and automatically outputting the program broadcast summary information.

SUBSTITUTE SHEET (RULE 26)

54 An **encoding** /decoding method for monitoring video **program** material, comprising the steps of recording, on a program recorder/player means, a video program...

...to the sequence of frames to produce an encoded video program signal stream; receiving a **broadcast** program signal corresponding to the encoded video program signal stream and determining reception information independent

...

...the sequence of frames, and associating the reception information with specified ones of the frames **using** the monitoring **code**.

55 An **encoding** /decoding method as claimed in claim 54, further comprising the step of synchronously applying the...

DIALOG(R)File 349:PCT FULLTEXT
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00156314

SIGNAL PROCESSING APPARATUS AND METHODS
DISPOSITIF ET PROCEDES DE TRAITEMENT DE SIGNAUX

Patent Applicant/Assignee:

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Inventor(s):

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CUDDIHY James W,

Patent and Priority Information (Country, Number, Date):

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Priority Application: US 8796 19870911

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BE BJ BR CF CG CH CM DE DK FI FR GA GB GB HU IT JP KP LK LU MC
MG

ML MR MW NL NO RO SE SN SU TD TG

Publication Language: English

Fulltext Word Count: 161690

Fulltext Availability:

Claims

Claim

... them differently. In all cases, signals may convey
information in discrete words, transmitted at separate **times**
or in separate locations, that receiver apparatus must
25 assemble in order to receive one...at which the subscriber can
input
information
only under control of signals embedded in the **broadcast**
transmission and can reassume control of microcomputer, 205,
(so long as microcomputer, 205,-remains on and continues, in
a **predetermined** fashion, to receive said embedded transmitted
20 signals) only by ...instructions is called
25 the "control invoking instructions," and the associated steps
are called "invoking **broadcast** control.")
After completing all steps of invoking **broadcast**
control, the microcomputer at each subscriber station
(including microcomputer, 205) is preprogrammed (1) to
30...to graphic information of the
performance of the market as a whole, Prior to its **time** of
specific relevance, no personalized information is displayed
(despite the fact that said graphic information of the...only for so
long
as it
remains specifically relevant, As soon as its specific
relevance **terminates**, its display **terminates** *
This "Wall Street Week" portfolio **performance** example
4
35 provides but one of many examples of television based
aff
combined medium...or both. if a signal or signals are

15 to be transferred externally, in a **predetermined** fashion controller! 12, **identifies** the external apparatus to which the signal or signals are addressed and transfers them to...and records

said information in a predetermined fashion. In a predetermined fashion, recorder,

16 can **determine** how full it is and transmit this information to controller, 20. Recorder, 16, may inform...

...reaches a certain level of fullness.

Signal processor, 26, has a controller device which includes **programmable** RAM controller, 20; ROM, 21, that may contain unique digital **code** information capable of 10 **identifying** signal processor, 26, and the subscriber station of said processor, 26, uniquely; an automatic dialing device 24; and a telephone unit, 22. A particular portion of ROM,

21 is erasable **programmable** ROM (hereinafter, 11EPROM11) or other forms of **programmable** nonvolatile memory. Under 15 control particular preprogrammed instructions at that portion of ROM, 21, that...subscriber station.

In the second example, the combining of Fig. 1C occurs 5 only at **selected** subscriber stations. The **second** combining synch command is partially **encrypted**, and said stations are preprogrammed with particular information that is necessary to decrypt said command. ...correctness of the preceding eight bits,

or

"byte," of communicated data.

Frequently in this disclosure, **specific** quantities of bits and bit locations are cited. Said bits are often 35 specified as...signal word.

As with the first message, receiving the header and execution segment of said **second** message causes controller,.

39 to determine that said message is addressed to URS 20 microcomputers, 205, and to transfer said **second** message accordingly, Automatically, as said valve transfers said binary information, controller, 39, selects the first...

...in their order after

conversion, at said SPAM-header register memory.

25 Automatically controller, 39, **determines** that the information at said memory (which is the 110011 header of the second combining...as to the location of the header that follows

2 such a message.) Like the **second** message of example #2, the first message of example #4 is only partially **encrypted** in order to enable subscriber stations that lack capacity to decrypt said message to process...

...the execution segment

of said first message is done in such a fashion that, after **encryption**, said segment is identical to a particular **execution** segment that addresses URS signal processors, 200, and instructs said processors, 200, to use a particular

35 decryption key Z (different from the decryption key J that decrypted the **second** message of example #2) and decrypt the message in which said segment occurs. Because said first message-is **encrypted** , its meter monitor segment contains a seventh field: a meter instruction field. Accordingly, the length...

? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-		IEW??? ?
S7	22610	S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
LIN-		K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
S8	8788	S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
CORRESP-		OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
S9	382	S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
PAYMENT?		OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
LI-		CENS? OR DISTRIBUT?()RIGHT? ?)
S10	15713	S2(100N)S5
S11	63	S10(50N)S9
S12	28	S6(100N)S9
S13	20	S6(50N)S9
S14	11	S13 NOT (AD>1999 OR AD=2000:2006)

S15 54 S11 NOT S13
 S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
 S17 17 IDPAT (sorted in duplicate/non-duplicate order)
 S18 419 S10 AND S2(25N)S5(25N)S6
 S19 5 S18 AND S2(25N)S5(25N)S6(25N)S9
 S20 79 S11:S16
 S21 0 S19 NOT S20
 S22 404 S18 NOT S19:S20
 S23 134 S22 AND S3(50N)S5:S6
 S24 0 S23 AND S3(25N)S9(25N)S5:S6
 S25 3 S23 AND S9
 S26 131 S23 NOT S25
 S27 35 S26 NOT (AD>1999 OR AD=2000:2006)
 S28 35 IDPAT (sorted in duplicate/non-duplicate order)

? s au=(silver y? or silver, y?)
 12 AU=SILVER Y?
 0 AU=SILVER, Y?
 S29 12 AU=(SILVER Y? OR SILVER, Y?)
 ? s yonatan(2n)silver
 63 YONATAN
 90388 SILVER
 S30 10 YONATAN(2N)SILVER

? ds

Set	Items	Description
S1	2788927	SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -		APPLICATION? OR APP? ?
S2	127518	S1(5N)(DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -		OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?
OR E-		NCOD??? OR ENCRYPT? OR INHIBIT?)
S3	33832	S2(5N)(USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-		PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR
IMPL-		EMENT?)
S4	1907722	TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-		VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?		? OR SECOND? ? OR PERIOD?
S5	817420	S4(5N)(PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR		CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
IDENTI-		FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
DE-		SIR??? OR EXPIR? OR DETERMIN?)
S6	90554	MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?		OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
STREA-		M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
PAY()PER()V-		IEW??? ?

S7 22610 S2(7N) (AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
 LIN- K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
 S8 8788 S2(7N) (CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
 CORRESP- OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
 S9 382 S7:S8(7N) (BILL??? ? OR FEE OR FEES OR CHARG??? OR
 PAYMENT? OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
 LI- CENS? OR DISTRIBUT?() RIGHT? ?)
 S10 15713 S2(100N)S5
 S11 63 S10(50N)S9
 S12 28 S6(100N)S9
 S13 20 S6(50N)S9
 S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
 S15 54 S11 NOT S13
 S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
 S17 17 IDPAT (sorted in duplicate/non-duplicate order)
 S18 419 S10 AND S2(25N)S5(25N)S6
 S19 5 S18 AND S2(25N)S5(25N)S6(25N)S9
 S20 79 S11:S16
 S21 0 S19 NOT S20
 S22 404 S18 NOT S19:S20
 S23 134 S22 AND S3(50N)S5:S6
 S24 0 S23 AND S3(25N)S9(25N)S5:S6
 S25 3 S23 AND S9
 S26 131 S23 NOT S25
 S27 35 S26 NOT (AD>1999 OR AD=2000:2006)
 S28 35 IDPAT (sorted in duplicate/non-duplicate order)
 S29 12 AU=(SILVER Y? OR SILVER, Y?)
 S30 10 YONATAN(2N) SILVER
 ? s s29:s30
 S31 12 S29:S30
 ? s s31 not (ad>1999 or ad=2000:2006)
 >>>File 348 processing for AD=1999 : AD=|
 >>> started at AD=000000 stopped at AD=040415
 >>>File 348 processing for AD=2000 : AD=2006
 >>> started at AD=00 stopped at AD=050413
 Processing
 >>>File 349 processing for AD=1999 : AD=|
 >>> started at AD=19990101 stopped at AD=20040623
 >>>File 349 processing for AD=2000 : AD=2006
 >>> started at AD=20000101 stopped at AD=20050623
 12 S31
 1633051 AD>1999
 1499807 AD=2000 : AD=2006
 S32 0 S31 NOT (AD>1999 OR AD=2000:2006)
 ? t 31/3,k/all

31/3,K/1 (Item 1 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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01864348
 INTERACTIVE INTER-CHANNEL GAME
 INTERAKTIVES MULTI-KANAL SPIEL

JEU INTERACTIF ENTRE CANAUX

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date):

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APPLICATION (CC, No, Date): EP 2003732998 030629; WO 2003IL543
030629

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB;
GR;

HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): A63F-013/00

LANGUAGE (Publication,Procedural,Application): English; English;
English

INVENTOR:

SILVER , Yonatan ,

31/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01756430

INTERACTIVE BROADCAST SYSTEM

INTERAKTIVES BROADCAST-SYSTEM

SYSTEME DE DIFFUSION INTERACTIF

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1557038 A2 050727 (Basic)

WO 2004040896 040513

APPLICATION (CC, No, Date): EP 2003751230 031002; WO 2003IL796
031002

PRIORITY (CC, No, Date): US 422348 P 021030

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB;
GR;

HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): H04N-007/025

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English;
English

INVENTOR:

SILVER , Yonatan ,

31/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01619346

Advanced television system

Fortgeschrittenes Fernsehsystem

Systeme de television avance

PATENT ASSIGNEE:

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Maissel, Jonathan, Nachal Meron 15, Modi'in 71700em, (IL)

Tsuria, Yossef, 14 Rabenu Polity, Jerusalem 93390, (IL)

Silver , Yonatan , Harlap Street 40/2, 92342 Jerusalem, (IL)

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PATENT (CC, No, Kind, Date): EP 1335593 A2 030813 (Basic)

EP 1335593 A3 031022

APPLICATION (CC, No, Date): EP 2003009141 990623;

PRIORITY (CC, No, Date): IL 12514198 980629

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LI;

LU; MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 1235223 (EP 2002000773)

EP 1013088 (EP 2099926727)

INTERNATIONAL PATENT CLASS (V7): H04N-005/76; H04N-005/44; G11B-027/00;
G11B-027/10; G11B-027/32

ABSTRACT WORD COUNT: 55

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200333	276
SPEC A	(English)	200333	11548
Total word count - document A			11824
Total word count - document B			0
Total word count - documents A + B			11824

INVENTOR:

... IL)

Silver , Yonatan ,

31/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

01611758

ONLINE TELEVISION MESSENGER
FERNSEHSYSTEM MIT NACHRICHTENUBERBRINGER IN EINEM NETZWERK
MESSAGERIE TELEVISUELLE EN LIGNE

PATENT ASSIGNEE:

NDS Limited, (2089525), One London Road, Staines, Middlesex TW18 4EX,
(GB), (Applicant designated States: all)

INVENTOR:

O'TOOLE, Hannah, Clare, 18 Fernie Fields, High Wycombe,
Buckinghamshire

HP12 4SP, (GB)

SILVER, Yonathan , 40/2 Harlap Street, 92342 Jerusalem, (IL
PATENT (CC, No, Kind, Date):

WO 2003047257 030605

APPLICATION (CC, No, Date): EP 2002788495 021124; WO 2002IL938
021124

PRIORITY (CC, No, Date): GB 128290 011126; US 334157 P 011129

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB;
GR;

IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04N-007/173; H04N-007/15

LANGUAGE (Publication,Procedural,Application): English; English;
English

INVENTOR:

... GB)

SILVER, Yonathan ...

31/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

01445457

Advanced television system
Fortgeschrittenes Fernsehsystem
Systeme de television avance

PATENT ASSIGNEE:

NDS Limited, (2089525), One London Road, Staines, Middlesex TW18 4EX,
(GB), (Applicant designated States: all)

INVENTOR:

Wachtfogel, Reuven, HaRav Berlin Street 35/8, 9205 Jerusalem, (IL)

Richardson, David, P.O. Box 2009, 38900 Cesarea, (IL)

Kipnis, Shlomo, Kushnir Street 32, 97280 Jerusalem, (IL)

Maissel, Jonathan, Nachal Meron 15, Modi'in 71700, (IL)

Tsuria, Yossi, Rabenu Polity 14, Jerusalem 93390, (IL)

Silver, Yonatan , Harlap Street 40/2, 92342 Jerusalem, (IL

LEGAL REPRESENTATIVE:

White, Duncan Rohan et al (86301), Edward Evans Barker Clifford's Inn
Fetter Lane, London EC4A 1BZ, (GB)

PATENT (CC, No, Kind, Date): EP 1235223 A2 020828 (Basic)

EP 1235223 A3 021127

APPLICATION (CC, No, Date): EP 2002000773 990623;

PRIORITY (CC, No, Date): IL 12514198 980629
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT;
LI;
LU; MC; NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
EP 1013088 (EP 99926727)
RELATED DIVISIONAL NUMBER(S) - PN (AN):
(EP 2003009141)
INTERNATIONAL PATENT CLASS (V7): G11B-027/034; G11B-027/10; H04N-005/44
ABSTRACT WORD COUNT: 79
NOTE:
Figure number on first page: 1B

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200235	372
SPEC A	(English)	200235	11556
Total word count - document A			11928
Total word count - document B			0
Total word count - documents A + B			11928

INVENTOR:

... IL)
Silver , Yonatan ,

31/3,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

01394395

Advanced television system
Fortgeschrittenes Fernsehsystem
Systeme de television avance

PATENT ASSIGNEE:

NDS Limited, (2089525), One London Road, Staines, Middlesex TW18 4EX,
(GB), (Applicant designated States: all)

INVENTOR:

Wachtfogel, Reuven, HaRav Berlin Street 35/8, 9205 Jerusalem, (IL)
Richardson, David, P.O. Box 2009, 38900 Cesarea, (IL)
Kipnis, Shlomo, Kushnir Street 32, 97280 Jerusalem, (IL)
Maissel, Jonathan, Rabbi Tarfon Street 4/6, 93592 Jerusalem, (IL)
Tsuria, Yossef, Macabim Street 77, 73142 Shoham, (IL)
Silver , Yonatan , Harlap Street 40/2, 92342 Jerusalem, (IL)

LEGAL REPRESENTATIVE:

White, Duncan Rohan et al (86301), Edward Evans Barker Clifford's Inn
Fetter Lane, London EC4A 1BZ, (GB)

PATENT (CC, No, Kind, Date): EP 1180768 A2 020220 (Basic)
EP 1180768 A3 020410

APPLICATION (CC, No, Date): EP 2001204250 990623;

PRIORITY (CC, No, Date): IL 12514198 980629

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT;
LI;

LU; MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 1013088 (EP 99926727)
INTERNATIONAL PATENT CLASS (V7): G11B-020/00; G11B-027/10; H04N-005/44
ABSTRACT WORD COUNT: 85

NOTE:

Figure number on first page: 1B

LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200208	373
SPEC A	(English)	200208	11560
Total word count - document A			11933
Total word count - document B			0
Total word count - documents A + B			11933

INVENTOR:

... IL)

Silver , Yonatan ,

31/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01124461

ADVANCED TELEVISION SYSTEM

FORTGESCHRITTENES FERNSEHSYSTEM

SYSTEME DE TELEVISION AVANCE

PATENT ASSIGNEE:

NDS LIMITED, (2089522), 1 Heathrow Boulevard, 286 Bath Road, West
Drayton, Middlesex UB7 ODQ, (GB), (Proprietor designated states:
all)

INVENTOR:

WACHTFOGEL, Reuven, HaRav Berlin Street 35/8, 92505 Jerusalem, (IL)

RICHARDSON, David, P.O. Box 2009, 38900 Cesarea, (IL)

KIPNIS, Shlomo, Kushnir Street 32, 97280 Jerusalem, (IL)

MAISSEL, Jonathan, Rabbi Tarfon Street 4/6, 93592 Jerusalem, (IL)

TSURIA, Yossef, Macabim Street 77, 73142 Shoham, (IL)

SILVER , Yonatan , Harlap Street 40/2, 92342 Jerusalem, (IL)

LEGAL REPRESENTATIVE:

Freed, Arthur Woolf et al (30752), Edward Evans Barker Clifford's Inn
Fetter Lane, London EC4A 1BZ, (GB)

PATENT (CC, No, Kind, Date): EP 1013088 A1 000628 (Basic)

EP 1013088 B1 030108

WO 2000001149 000106

APPLICATION (CC, No, Date): EP 99926727 990623; WO 99IL344 990623

PRIORITY (CC, No, Date): IL 12514198 980629

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT;
LI;

LU; NL; PT; SE

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 1180768 (EP 2001204250)

EP 1235223 (EP 2002000773)

INTERNATIONAL PATENT CLASS (V7): H04N-007/00; H04N-005/76; H04N-007/16;
G11B-027/11; G11B-027/031; H04N-005/44

NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English;
English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200302	304
CLAIMS B	(German)	200302	295
CLAIMS B	(French)	200302	365
SPEC B	(English)	200302	10038
Total word count - document A			0
Total word count - document B			11002
Total word count - documents A + B			11002

INVENTOR:

... IL)
SILVER , Yonatan ,

31/3,K/8 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Univentio. All rts. reserv.

01337152

PROGRAM SELECTION SYSTEM

SYSTEME DE SELECTION DE PROGRAMMES

Patent Applicant/Assignee:

NDS LIMITED, One London Road, Staines, Middlesex TW18 4EX, GB, GB
(Residence), GB (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

SILVER Yonatan , 40/2 Harlap Street, 92342 Jerusalem, IL, IL
(Residence), IL (Nationality), (Designated only for: US)
LAM DAN Avidan, 28 Harechasim Street, 99875 Tzur Hadassah, IL, IL
(Residence), IL (Nationality), (Designated only for: US)
RAHAT Boaz, 21 Moshe Kol Street, 93715 Jerusalem, IL, IL (Residence),
IL
(Nationality), (Designated only for: US)

Legal Representative:

SANFORD T COLB & CO et al (agent), P.O. Box 2273, 76122 Rehovot, IL
Patent and Priority Information (Country, Number, Date):

Patent: WO 200618825 A2 20060223 (WO 0618825)
Application: WO 2004IL1003 20041102 (PCT/WO IL2004001003)
Priority Application: US 2004602213 20040817

Designated States:

(All protection types applied unless otherwise stated - for
applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK
DM
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LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT
RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM
ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LU MC NL
PL PT

RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7752

Patent Applicant/Inventor:
SILVER Yonatan ,

31/3,K/9 (Item 2 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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01195922 **Image available**

INTERACTIVE INTER-CHANNEL GAME
JEU INTERACTIF ENTRE CANAUX

Patent Applicant/Assignee:
NDS LIMITED, One London Road, Staines, Middlesex TW18 4EX, GB, GB
(Residence), GB (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:
SILVER Yonatan , 40/2 Harlap Street, 92342 Jerusalem, IL, IL
(Residence), IL (Nationality), (Designated only for: US)
BOGOT Carmi, 15/2 HaMatazdim Street, 98420 Maaleh Adumim, IL, IL
(Residence), IL (Nationality), (Designated only for: US)
ATLOW Shabtai, 36 Rimon Street, 90435 Efrat, IL, IL (Residence), IL
(Nationality), (Designated only for: US)

Legal Representative:
SANFORD T COLB & CO (et al) (agent), P.O. Box 2273, 76122 Rehovot,
IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200502697 A1 20050113 (WO 0502697)
Application: WO 2003IL543 20030629 (PCT/WO IL03000543)
Priority Application: WO 2003IL543 20030629

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD

SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT
RO SE

SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 10586

Patent Applicant/Inventor:

SILVER Yonatan ,

31/3,K/10 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01117920 **Image available**

INTERACTIVE BROADCAST SYSTEM

SYSTEME DE DIFFUSION INTERACTIF

Patent Applicant/Assignee:

NDS LIMITED, One London Road, Staines, Middlesex TW18 4EX, GB, GB

(Residence), GB (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

SILVER Yonatan , 40/2 Harlap Street, 92342 Jerusalem, IL, IL

(Residence), IL (Nationality), (Designated only for: US)

DARSHAN Ezra, 15B HaHavatzelet Street, 99590 Beit Shemesh, IL, IL

(Residence), IL (Nationality), (Designated only for: US)

Legal Representative:

SANFORD T COLB & CO (et al) (agent), P.O. Box 2273, 76122 Rehovot,
IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200440896 A2-A3 20040513 (WO 0440896)

Application: WO 2003IL796 20031002 (PCT/WO IL03000796)

Priority Application: US 2002422348 20021030

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ

EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK

LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU
SC

SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT
RO SE

SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 18531

Patent Applicant/Inventor:

SILVER Yonatan ,

31/3,K/11 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01017764

ONLINE TELEVISION MESSENGER

MESSAGERIE TELEVISUELLE EN LIGNE

Patent Applicant/Assignee:

NDS LIMITED, One London Road, Staines, Middlesex TW18 4EX, GB, GB
(Residence), GB (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

O'TOOLE Hannah Clare, 18 Fernie Fields, High Wycombe, Buckinghamshire
HP12 4SP, GB, GB (Residence), GB (Nationality), (Designated only

for:

US)

SILVER Yonathan , 40/2 Harlap Street, 92342 Jerusalem, IL, IL
(Residence), IL (Nationality), (Designated only for: US

Legal Representative:

G E EHRLICH (1995) LTD (agent), 28 Bezalel Street, 52521 Ramat Gan,
IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200347257 A1 20030605 (WO 0347257)

Application: WO 2002IL938 20021124 (PCT/WO IL02000938)

Priority Application: GB 200128290 20011126; US 2001334157 20011129

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO
CR

CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK
DM

DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM
HR HU

ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW
MX

MZ NO NZ OM PH PL PT RO RU SC SD SE SG SI SK (utility model) SK SL TJ
TM

TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE
SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 21502

Patent Applicant/Inventor:

... Designated only for: US)

SILVER Yonathan ...

31/3,K/12 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00537776

ADVANCED TELEVISION SYSTEM

SYSTEME DE TELEVISION AVANCE

Patent Applicant/Assignee:

NDS LIMITED,

WACHTFOGEL Reuven,

RICHARDSON David,
KIPNIS Shlomo,
MAISSEL Jonathan,
TSURIA Yossef,
SILVER Yonatan

Inventor(s):

WACHTFOGEL Reuven,
RICHARDSON David,
KIPNIS Shlomo,
MAISSEL Jonathan,
TSURIA Yossef,
SILVER Yonatan

Patent and Priority Information (Country, Number, Date):

Patent: WO 200001149 A1 20000106 (WO 0001149)
Application: WO 99IL344 19990623 (PCT/WO IL9900344)
Priority Application: IL 125141 19980629

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
EE

ES FI FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS

LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ
TM

TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY
KG

KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
BF

BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 15509

Patent Applicant/Assignee:

... **SILVER Yonatan**

Inventor(s):

... **SILVER Yonatan**

? ds;show files;logoff hold

Set Items Description

S1 2788927 SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -

APPLICATION? OR APP? ?

S2 127518 S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -

OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?

OR E-

NCOD??? OR ENCRYPT? OR INHIBIT?)

S3 33832 S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-

PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR

IMPL-

EMENT?)

S4 1907722 TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-

VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR

MINUTE?

? OR SECOND? ? OR PERIOD?
 S5 817420 S4(5N)(PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
 OR
 CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
 IDENTI-
 FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
 DE-
 SIR??? OR EXPIR? OR DETERMIN?)
 S6 90554 MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
 WEBCAST?
 OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
 STREA-
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 PAY()PER()V-
 IEW??? ?
 S7 22610 S2(7N)(AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
 LIN-
 K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
 S8 8788 S2(7N)(CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
 CORRESP-
 OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
 S9 382 S7:S8(7N)(BILL??? ? OR FEE OR FEES OR CHARG??? OR
 PAYMENT?
 OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
 LI-
 CENS? OR DISTRIBUT?()RIGHT? ?)
 S10 15713 S2(100N)S5
 S11 63 S10(50N)S9
 S12 28 S6(100N)S9
 S13 20 S6(50N)S9
 S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
 S15 54 S11 NOT S13
 S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
 S17 17 IDPAT (sorted in duplicate/non-duplicate order)
 S18 419 S10 AND S2(25N)S5(25N)S6
 S19 5 S18 AND S2(25N)S5(25N)S6(25N)S9
 S20 79 S11:S16
 S21 0 S19 NOT S20
 S22 404 S18 NOT S19:S20
 S23 134 S22 AND S3(50N)S5:S6
 S24 0 S23 AND S3(25N)S9(25N)S5:S6
 S25 3 S23 AND S9
 S26 131 S23 NOT S25
 S27 35 S26 NOT (AD>1999 OR AD=2000:2006)
 S28 35 IDPAT (sorted in duplicate/non-duplicate order)
 S29 12 AU=(SILVER Y? OR SILVER, Y?)
 S30 10 YONATAN(2N)SILVER
 S31 12 S29:S30
 S32 0 S31 NOT (AD>1999 OR AD=2000:2006)
 File 348:EUROPEAN PATENTS 1978-2006/ 200624
 (c) 2006 European Patent Office
 File 349:PCT FULLTEXT 1979-2006/UB=20060615,UT=20060608
 (c) 2006 WIPO/Univentio
 20jun06 12:19:55 User276825 Session D340.4
 \$33.84 6.244 DialUnits File348
 \$56.10 33 Type(s) in Format 3
 \$56.10 33 Types

\$89.94 Estimated cost File348
 \$15.21 3.202 DialUnits File349
 \$27.20 17 Type(s) in Format 3
 \$27.20 17 Types
 \$42.41 Estimated cost File349
 OneSearch, 2 files, 9.446 DialUnits FileOS
 \$9.60 TELNET
 \$141.95 Estimated cost this search
 \$141.95 Estimated total session cost 9.446 DialUnits

Logoff: level 05.11.05 D 12:19:55

You are now logged offTrying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSS? ### Status: Signing onto Dialog *****

ENTER PASSWORD:

***** HHHHHHHH SSSSSSS? *****

Status: Login successfulWelcome to DIALOG

Dialog level 05.11.05D

Reconnected in file OS 20jun06 12:28:41

* * *

SYSTEM:OS - DIALOG OneSearch

File 348:EUROPEAN PATENTS 1978-2006/ 200624

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*File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

File 349:PCT FULLTEXT 1979-2006/UB=20060615,UT=20060608

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*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

Set Items Description

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Cost is in DialUnits

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Terminal set to DLINK

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Set Items Description

S1 2788927 SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -

APPLICATION? OR APP? ?

S2 127518 S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -

OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?

OR E-

NCOD??? OR ENCRYPT? OR INHIBIT?)

S3 33832 S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-

PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR

IMPL-
 EMENT?)
 S4 1907722 TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
 OR E-
 VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
 MINUTE?
 ? OR SECOND? ? OR PERIOD?
 S5 817420 S4(5N)(PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
 OR
 CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR
 IDENTI-
 FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR
 DE-
 SIR??? OR EXPIR? OR DETERMIN?)
 S6 90554 MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
 WEBCAST?
 OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR
 STREA-
 M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
 PAY()PER()V-
 IEW??? ?
 S7 22610 S2(7N)(AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
 LIN-
 K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
 S8 8788 S2(7N)(CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
 CORRESP-
 OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
 S9 382 S7:S8(7N)(BILL??? ? OR FEE OR FEES OR CHARG??? OR
 PAYMENT?
 OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
 LI-
 CENS? OR DISTRIBUT?()RIGHT? ?)
 S10 15713 S2(100N)S5
 S11 63 S10(50N)S9
 S12 28 S6(100N)S9
 S13 20 S6(50N)S9
 S14 11 S13 NOT (AD>1999 OR AD=2000:2006)
 S15 54 S11 NOT S13
 S16 17 S15 NOT (AD>1999 OR AD=2000:2006)
 S17 17 IDPAT (sorted in duplicate/non-duplicate order)
 S18 419 S10 AND S2(25N)S5(25N)S6
 S19 5 S18 AND S2(25N)S5(25N)S6(25N)S9
 S20 79 S11:S16
 S21 0 S19 NOT S20
 S22 404 S18 NOT S19:S20
 S23 134 S22 AND S3(50N)S5:S6
 S24 0 S23 AND S3(25N)S9(25N)S5:S6
 S25 3 S23 AND S9
 S26 131 S23 NOT S25
 S27 35 S26 NOT (AD>1999 OR AD=2000:2006)
 S28 35 IDPAT (sorted in duplicate/non-duplicate order)
 S29 12 AU=(SILVER Y? OR SILVER, Y?)
 S30 10 YONATAN(2N)SILVER
 S31 12 S29:S30
 S32 0 S31 NOT (AD>1999 OR AD=2000:2006)
 ? delete s32
 Set 32 has been deleted

? s s31 and s5:s6(50n)s9

Processing

Processing

Processing

12 S31
844632 S5:S6
382 S9
58 (S5:S6) (50N)S9
S32 0 S31 AND S5:S6(50N)S9

? s s31 not (ad>1999 or ad=2000:2006)

>>>File 348 processing for AD=1999 : AD=|

>>> started at AD=000000 stopped at AD=040415

>>>File 348 processing for AD=2000 : AD=2006

>>> started at AD=00 stopped at AD=050413

Processing

Processing

>>>File 349 processing for AD=1999 : AD=|

>>> started at AD=19990101 stopped at AD=20040623

>>>File 349 processing for AD=2000 : AD=2006

>>> started at AD=20000101 stopped at AD=20050623

Processing

12 S31
1633051 AD>1999
1499807 AD=2000 : AD=2006
S33 0 S31 NOT (AD>1999 OR AD=2000:2006)

? ds;show files;logoff hold

Set Items Description

S1 2788927 SOFTWARE? OR SOFT()WARE? OR CODE? OR PROGRAM? OR FILE?
OR -

APPLICATION? OR APP? ?

S2 127518 S1(5N) (DISABL? OR DEACTIVAT? OR DE()ACTIVAT? OR
RESTRICT? -

OR TERMINAT? OR IMPAIR? OR LOCK??? OR BLOCK? OR SCRAMBL?

OR E-

NCOD??? OR ENCRYPT? OR INHIBIT?)

S3 33832 S2(5N) (USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR
AP-

PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR

IMPL-

EMENT?)

S4 1907722 TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATION?
OR E-

VENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
MINUTE?

? OR SECOND? ? OR PERIOD?

S5 817420 S4(5N) (PRESELECT? OR PRE()SELECT? OR SELECT? OR PICK???
OR

CHOOSE? OR PREDETERMIN? OR PRE()DETERMIN? OR CHOSEN OR

IDENTI-

FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR

DE-

SIR??? OR EXPIR? OR DETERMIN?)

S6 90554 MULTIMEDIA OR MULTI()MEDIA OR STREAM???()VIDEO? OR
WEBCAST?

OR BROADCAST? OR MEDIA()SESSION? OR VIDEO(2N)DEMAND OR

STREA-

M???()MEDIA? OR NVOD OR VOD OR PAYPERVIEW??? ? OR
 PAY()PER()V-
 IEW??? ?
 S7 22610 S2(7N)(AFFILIAT? OR ASSOCIAT? OR BOUND? OR CONNECT? OR
 LIN-
 K??? OR CORRELAT? OR RELAT? OR FUNCTION? OR DEPEND?)
 S8 8788 S2(7N)(CONJUNCT? OR PARTNER? OR COUPL? OR JOIN? OR
 CORRESP-
 OND? OR ATTACH? OR CONTINGENT? OR REFLECT? OR SENTITIVE?)
 S9 382 S7:S8(7N)(BILL??? ? OR FEE OR FEES OR CHARG??? OR
 PAYMENT?
 OR REMUNERAT? OR COST??? OR PRICE? OR PRICING? OR DEBT? OR
 LI-
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 S31 12 S29:S30
 S32 0 S31 AND S5:S6(50N)S9
 S33 0 S31 NOT (AD>1999 OR AD=2000:2006)
 File 348:EUROPEAN PATENTS 1978-2006/ 200624
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 (c) 2006_WIPO/Univentio